

# SEQUENCE LISTING

<110> Munger, William E.

<120> Identifying Drugs for and Diagnosis of Benign Prostatic Hyperplasia Using Gene Expression Profiles

<130> 44921-5029-01US

<140> Current Application #

<141> Application Date

<150> 60/223,323

<151> 2000-08-07

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<151> 2001-06-05

<160> 1124

<170> PatentIn Ver. 2.1

<210> 1

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA004699

<400> 1

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<221> unsure

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atcagcatat cacatggcga gagagaacaa agagctgccg ggctttttaa agcaaccaga 180
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tgtgaa                                     426
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<210> 3

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 <213> Homo sapiens

<220>  
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 atatgtgctc tgctttactt acacccaact ctaacctgcg agcatattag gaaaaaagaa 180  
 gcaagtgcac ccaataaaaat tatttgtaac ttaatttgta tgaggcggga caagggttgc 240  
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 accacattca tgacctccag agactatagc gtgggaagac acctttacag atcaaggggc 360  
 cccctggagt cacccttaca ggaatccttc tggcctttgg aatcctcctg gcacagacca 420  
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 <212> DNA  
 <213> Homo sapiens

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 <223> Genbank Accession No. AA007158

<400> 4  
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 ctacactatt atttaaaaaa aaaactcaca aaaagaaaaa tgttatcact acaagtagga 180  
 attagaagag agaaatcctg gcagtcctgc tagagggtta aacatttcat gcatttgtga 240  
 gttgctggtg gagagtttgt tttttatttg tccaccgtaa tctggca 287

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 <212> DNA  
 <213> Homo sapiens

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<220>  
 <221> unsure  
 <222> (1)..(479)  
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 ggatatattg ctttgataat tataaagcta tttttttcat tttaaaagta gctaagtgtt 180  
 caacatttca aaaacttttt ccagatcttc tgtatacttt tctgtaggca tcctagttaa 240  
 acatgtacaa ttcaaagac cacatgctgg agagccaggc gcgtcccat gcaggcgacg 300  
 tgggcctctt agaagcagcc tccctgagntg tgtagcctcc tgcagccata cagtcccgtc 360  
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 <211> 468  
 <212> DNA  
 <213> Homo sapiens

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<220>  
 <221> unsure  
 <222> (1)..(468)  
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 gtttagtaat cgtctaagaa taattgtaga aataacccca attccaccat cccagccact 180  
 ggtataaaac aaataccttc catgaaactg tctttcacat aactaaaata tcctcactta 240  
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 tactggagct gagatttctg aaacaatatc tgaatcttag cagagagata ataatccttt 360  
 cactatacat tgcttgggct tccttaacca aatctgagta actactggta ataataatgc 420  
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<210> 7  
 <211> 229  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<400> 7  
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 ttataagtcc atgtattaga cggccctcca tggcccagaa gtcttccctg ctgaaggctg 180  
 tgtgtgacac cctcagatac gcatctgtca ctgacaaaagt tggttaatg 229

<210> 8  
 <211> 163  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA017063

<220>  
 <221> unsure  
 <222> (1)..(163)  
 <223> n = a or c or g or t

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 cagggcgggg tttggtcctg aaaaaatggg gtggggcggt tacctcttac cgcttgggac 120  
 cttgggacct cttnttgacc ccaggaagag attagaagcc ctt 163

<210> 9  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA017547

<400> 9  
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 cccgcaacag ggggagcccc tcctgccacc aggggaccgt cgccgccccct cgcgagaagc 120  
 tgcaggc 127

<210> 10

<211> 430  
 <212> DNA  
 <213> Homo sapiens

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 <223> Genbank Accession No. AA018414

<220>  
 <221> unsure  
 <222> (1)..(430)  
 <223> n = a or c or g or t

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 aagggccac gcttctgcta aggtccaggc attcctagag tggatatga tagatcatat 120  
 ggtataagat agatcncctt ccatagccac agagtatcca gttattaata caaacaatg 180  
 agaagaggaa ggggagagca agtctttctt tgtttttaga gcacaatcca gaagttgaat 240  
 tcctatctta gtcacattaa attggctaga gtatcgttac gtagtcagac cttagagttgc 300  
 aaaggagact gaaaaaatgc agtttaatct gaacagccat gtgtccagggt aaaaattctg 360  
 ttattnaggg aagaaagaga gaatgaatat tgggaaacac tttcaagnct cccacaccaa 420  
 agtactacct 430

<210> 11  
 <211> 196  
 <212> DNA  
 <213> Homo sapiens

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 <223> Genbank Accession No. AA019034

<400> 11  
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 gttcatttta ttatttttgc gatttttttt ttgcatgtga ttttaaattt tattttcaaca 180  
 tagaagtaac catatc 196

<210> 12  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA019433

<220>  
 <221> unsure  
 <222> (1)..(482)  
 <223> n = a or c or g or t

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 cttttttttt ttttttttaa gtaaaagaaa atttattatg aaactaaagg aataaaagaa 120  
 tgaccactcc ataggcagag aaacgtcact ttaaggtttt gacatcaatt gatttttgtc 180  
 caaatcaata attactgcaa tgattgaaaa atgattatta ctaagtttgt tttcattgtc 240  
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 gtcttactat gttgctcaga ctgggnttca aactcctagg ctcaagcaat cttccagcct 420  
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 tt 482

<210> 13  
 <211> 373

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA022615

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tgctcctcct tcgcttagag tttataaaaag ccagcaacat gatcaataat ttatacacat 120  
ggagagtaat acaaaaaaat aaggaataaa agctaaagat ctaactactc cgaccttcac 180  
aattccagct acttgataat aataggagta acccaatgaa tactgtatgg tctgaaagct 240  
actatacaat atgattctta acgagaaggg aagggaatta gagactgtca caaagccctg 300  
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ggaagtgatt ctg 373

<210> 14  
<211> 245  
<212> DNA  
<213> Homo sapiens

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<223> Genbank Accession No. AA022886

<220>  
<221> unsure  
<222> (1)..(245)  
<223> n = a or c or g or t

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aagagtgcac gccgggtaaa ttcaggggtgg cttttttctc aggggtctgga agtgtgagag 120  
tttctggggc agactttttc cggggccgat ctttggggaac ggacagaaat tcgggtgcgt 180  
ctgtggagag aggggtggat ggagcactag aaggcgcact gcggacngaa aaaaggcccc 240  
ccccg 245

<210> 15  
<211> 337  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA025370

<400> 15  
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cattcaagtc aataccctgg agaaaagagg ctgtggggga ggccatgttc gattaggagg 120  
tttaagagtc catcaaagtg tcatatgtgt taggtgtgaa atggcgacac tgggaattac 180  
tgtaataaag ggggtggctgc agcacggtga ttgttatgag aacatcccca ccgccccact 240  
tttgtttgaa gactttcgtc ctgaactaca tgttgtttac tttcaacaac gtatacacta 300  
cagttgacaa aagttaatct cggtgataag aatatgc 337

<210> 16  
<211> 411  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA026641

<220>  
<221> unsure  
<222> (1)..(411)

<223> n = a or c or g or t

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gggtggaaag gacctggacc acacagagca ggactccaga gcctcctcca tatggcagga 180
atcaagcttt cacaggggaa acgcaggatt tcccacacat gcccatgcaa cacttcaagt 240
cacgcttgca ctggccatcc atctcacaga aattgggggg gttnagcatc naacattggc 300
canaantcac tnggnacttn ccaaggggtn cnccttggtg ggnttngggg ggttnacagg 360
ggncccggca ntnatgcnc caagtttcng ggcaaanatt tcttttttcc c 411
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<210> 17

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA028092

<400> 17

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ttttacaaca tattgtacaa aagatacatt gataggctct tatctattta tatatttata 180
attacatatt gcacttgga cagcaaggct tgcagagtca ttcacggtag aagttaataa 240
agttaaatag atgggaatct ttgtaagtac aattgatctc ctctgggttg gaaacgaatc 300
tcctcgctcg tgtaaagtgt tctcgcgggg tgggacagag agaggagcat tgcgaggggg 360
aagcagagac agagagcact gagggcaggg gtcgccttcc cggggcccgc tccccccggg 420
aggcggcctt tcccagactc gcacctccaa ggtcaggacg cgttggttcc a 471
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<210> 18

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA029356

<220>

<221> unsure

<222> (1)..(422)

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atatcaagat ttcatatgaa ttatagtata atccagaagt atgaaaaaat acatcatatt 180
taacttataa agcattcatc tgcattgtat aagatattac agtaaataca attagggtact 240
taccatttta tctttacttt aaaaacaatg cctnttccaa aatataaaaa aaagacctat 300
ttttaaagan ctattttaaag atngcttttg aaaacaacac ttttatntta cnacaaatag 360
atggtagtgg caacagcact cgtggatgtt tacngtaaa taaaaatacc tagtattccg 420
gg 422
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<210> 19

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA029597

<400> 19

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acagaatttt cactaaggac tgctcgacgc aacagctgtg agtacattgg tccaaccatt 120  
aataaatagt cttaaataag aaaacaaaca ggttgaagga aagcaagctc atcgctcctga 180  
acgaggggatt aaagggggggg ggtgttcaaa agagctttgg atggaaataa ataattctctt 240  
tgctttgtaa cac 253

<210> 20  
<211> 186  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA031360

<220>  
<221> unsure  
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tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120  
atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc nagccnttag 180  
ggtnc 186

<210> 21  
<211> 206  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA036900

<220>  
<221> unsure  
<222> (1)..(206)  
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tatttattga caggttgggc tgtgtgtgtg cgcattgtgtg tatacatttc caggcggtgcc 120  
tgtgtcctgt agctttttta aaggaaaccc agtcatccca ctatgaatct ggcattcttct 180  
tatgttctta gtgttttggc canaca 206

<210> 22  
<211> 456  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA037828

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tttggatctg tctggacctc aatgtgctct cggagaagca gccacgtag cagcagatac 360  
cttacagctt gtcattctact caagtgatgg ccaacagaag cttctgaact cctcccgagg 420  
agggtagctg acaaggtcca ttcaagggga tgagga 456

<210> 23

<211> 494  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA039935

<220>  
 <221> unsure  
 <222> (1)..(494)  
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 aaccagcag agagcagtac aantcagcat gcgggtcccng atagctgaag tctcgggcng 180  
 gccagtgggt ccctgcggaa nagccttcgt nggtgganag nactcctggc ccaggtggnc 240  
 ccaccagann ntcnntgacc ntctcnanga gacttgcna gtangcagct ccnnacacc 300  
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 caccaaggct tggggggctg ggggggcctg ctggcccagt gaagatgcag tgggtctgtt 420  
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<210> 24  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA040433

<220>  
 <221> unsure  
 <222> (1)..(421)  
 <223> n = a or c or g or t

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 ttcagctcca gggctctgggc taggaagacg ttccagtgc cttcgtgggg gccagcgagc 180  
 agtcggaagt gctgtgcctc tttctggaag tcttgccttc tgactttctt gatctgagtc 240  
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 tctcatctt ttaccagctt ccagaggtag atctccacca agtccgaggc ctngtgttc 360  
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 a 421

<210> 25  
 <211> 486  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA040731

<220>  
 <221> unsure  
 <222> (1)..(486)  
 <223> n = a or c or g or t

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 gccaaagtaca aacttttgat ttttgaaatt ttttcaactc agggccaagt acaatctttt 120

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gatttaaaaa ttttttttca tgaacaaacc atcagtagtt attaaggagc ccaagaaata 180
ggagatgtga aagcaggatt tctttgtgtt tcctttgaat gttgttattt tgagtattat 240
cattatcagg tagaggaaga aaggtaggct gggaagtagg tccttatgat atcttgacta 300
tggatcccag atttacattt cacctngtca cagagcacac ataatttaag ataaacatgt 360
caagaatgac ataaaccaga ggtaaaccac aaggagcttt acatttgga cngaaaaata 420
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cccngg 486
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<210> 26  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA043196

<220>  
 <221> unsure  
 <222> (1) .. (467)  
 <223> n = a or c or g or t

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tctttctaata ccccatatcat catgtctttg aaatgacaaa agtcccatcc tttgttgccc 180
gtgcagtaata ctgcttgtgg aactctttaa gaacatccag ctggccaggc ctgatgtgga 240
tgtatgaccg gatcttggcg atggctctta cagcctcctc tggactccat ttgtgcacct 300
gaatcaggta tgctgccacc atagtggact cctggagcgc ccagccttac aatgcacgta 360
aacacactgg cccagcgact ggtacttgag agcaaattgg actccctttc tggagggtgt 420
ccaagggtgg gggaatccca gtcattggtct acngtgccct cggtgcc 467
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<210> 27  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA043349

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gagatgggtt ttcactttca acatgcgtca tagcatctga ttttctgagc catcttgga 240
aatggagtct ttcctaattg cattgaatgt ggtcaaagct atctacaaag cagagacagt 300
aggctcttgg tgaatcagtt tgggaaattc acaattaagc agtctcaggg agtgaaattc 360
cggggtctga tgagactgtg gaaaccatgt ggtactgtag ggagagcaca ggtttggatg 420
ccagacaaat atctaaatct aaccctaata cactgcttat aagcttagtg attgttgac 480
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ttagtg 546
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA043777

<220>  
 <221> unsure  
 <222> (1) .. (353)

<223> n = a or c or g or t

<400> 28

```
gaagttataa aagcttggtt ttctttatta gaatactttt ttcaattctg atttgtcaca 60
atntagattc tttttctaag aataagcaga aatttacaaa atttaatttt tatttataca 120
ttcatccgtt caatacacat ttcaagaaag ctgtattgna ccccttnnag tnggtaagtt 180
ccagggccaa agaaccacaa taaatccaag gagagagacc aacaaatgta tatttataac 240
acagagtaat aaaacacaaa taaatgtgga gttattttaag catgtaagat ggtacatgct 300
ctaccaaggt atggggggctt ctctaagaca caagatcaga ttaaagtctt gaa 353
```

<210> 29

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA044219

<220>

<221> unsure

<222> (1)..(382)

<223> n = a or c or g or t

<400> 29

```
ttgcggggaa tcaggtaggg gcctttattg gccagcacac atctacctcc tggcatctgt 60
cacaagcatt tgcaggagta ggcgggccct tcctctccat gtcccatccc ccaacctgag 120
atgcggggagg gcctgggggc tcagagggaa gaactgaggc aagaagcccc ggtgatccag 180
tcagaggatt gggcagcctg acctcggggt ggggagccag cactngacaa caaggaggga 240
ggggcacagg agggctcccc gaggtttggt ccgggagggg gaggaaaact gccccctgcn 300
ctgtcaatct ctgcaatgtg ccgagcccca gtccttgan tccctcagtg cctttggggc 360
tggatgctca ganagcagtt ga 382
```

<210> 30

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA045481

<220>

<221> unsure

<222> (1)..(428)

<223> n = a or c or g or t

<400> 30

```
tttttttcag taatacagat gtctatttta ttaaaaaagt tacaaacagg tggactgcag 60
ggtcgtctta caaaatgaca agaatgaaat ctattggaaa aattttactt ttacaaatct 120
ttataggtaa ttgttcaatg tttgtacttg ttatttgaga ttttaccttt cactgataaa 180
gttacagtac attagatcca tgataatagg ttacattatt ttatttgcag agccctactg 240
cagtgatattg aacaactcct aaatagatgc cataataaag acaagacata tattgcattt 300
aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagct aaaataactt 360
ttgggtccct ttcttaaaat gtgctggaga aaccaccctt aaaatcactt tccccgggat 420
tccngcga 428
```

<210> 31

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA045487



<400> 31  
 ggaaagcatt ttcaaacttt atttacaact gtcacagtga caaaaagtag tttggaaaaa 60  
 aaaaaatgct agttttctccc tgagcctcaa aaaagaacag atagaagtta caggagggttc 120  
 atctcacaa aggcattttt actgaaatac taggaatttt ttcaatacaa tcagttagaa 180  
 atacacacaa attacttgaa aaaaaaaaaa agaggaggcc agataggagc tcagccactt 240  
 gtccaagagc agctgggtcc cccagcagc ctccaccgct gaggggtcctg acattagctg 300  
 tcagcccctg gcctgctcag actggcaa 328

<210> 32  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA045503

<400> 32  
 ctgtgagact gtccttttatt gtgtatacag gttccagcgt cagggctctc ccacggcccc 60  
 ctccccagtc ctcccccaag ggcccagagt ggtgggagtg agaggccacc ctaaggcaca 120  
 ctgaccagag aggcattggag ggaggaggct gacttgccct ggggacctt gctaactgag 180  
 acccaccctt cccctccacc ctgcttctgt atgtgggaga cgaaaccaag agtcactggg 240  
 ggcagcaggc atttcccagg gttaaggctg atggaaggtc cctatcccag atgggagatg 300  
 ggggcttttc ctatgactcc ccccatcccc cagctggaag acgtggggag ggggtgcatag 360  
 ccttagagag gtagaatgag gggaaatact cctcagtgcc ca 402

<210> 33  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA045825

<220>  
 <221> unsure  
 <222> (1)..(437)  
 <223> n = a or c or g or t

<400> 33  
 cagtgtagac cgtcttttatt ggcaggtggt aagagtgcaa aatatcaaca aaccagggg 60  
 aatacgcaag ggggtgggag tatggctccc ctaccccatg tgagagccct gtaaccaagc 120  
 cagtggggtg ggaacgttga cttgactgtg gcaaattcag gctcagcacc ttccaaagaa 180  
 caagctccca ggcaggaggg ctccctgcaa cacaaggggg aaaggagtgg caccctggaa 240  
 gggcctgggc tgcgaccac cctgggctgc ttggctcctg tatactgcc acccaacc 300  
 ctcaagagga aggccttcaca gctgggggta tgtagttcag agaaccggg ctaaaccag 360  
 cctccccaa acccagggtta tctgctcgg gcctcagttt cctcctccc agtgattacc 420  
 caagttgggc ccatcag 437

<210> 34  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA045870

<220>  
 <221> unsure  
 <222> (1)..(397)  
 <223> n = a or c or g or t

<400> 34  
 gtttagagtc taaaactaaa acctaatacat ttngtcacag tgtaaaaaaca aatggaaata 60  
 acagctcaaa tcttcaaaat attactatag cattatgttt aaaataatct acaacaaaaa 120  
 tgtaccattt tcaagcagta ctacattagg agccctttta tagaaaataa tttcttcttt 180  
 acccccgttc cagtgtgaat ctagtattct gttaacattt gtgtggcatt tggagtttgt 240  
 catccccatt gaaggagag ccttctcaga catgaagcaa gggaaacata ctgaatagtt 300  
 ttacacaaat ttgatctggc ttccatttgn cccctcatt tcccaaatgt ttaaantgta 360  
 ttnggatttg ggattctcaa atgggtataag ttggcct 397

<210> 35  
 <211> 564  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA046426

<220>  
 <221> unsure  
 <222> (1)..(564)  
 <223> n = a or c or g or t

<400> 35  
 tttttntttt tttcacttta tcatttactt tttatttgtt tgcttgaagt acctatgtaa 60  
 tgcaagtatg tactgtacta aaatacctat atttccaaat aacatatgtg gtgtagccca 120  
 cagtctctgc agaagcatca tgagtaacct gtgcctttac actttacaat ccgttatttg 180  
 ttgctgttaa aagtatgata acagatgaag aaaaaaaaaac taagtatgaa tacacttttc 240  
 caaacacgca catacacagc ttacaatgga atcccaatgg aaataagtga caacatctga 300  
 tgtagaatct ataaaatgta gactctgcaa taaaaagcca aaggacgtaa aaatatattt 360  
 taactttaaa aataacttag ttacagtaat actttgctg tgtcttacca acatgtagct 420  
 gacagtcaaa attttgcaat atagatataa tatataggga tatataagaa ctacaagaaa 480  
 atccccaaaa ccataaagt tcaaagtgtg aacagaaaag tttaacctgg agattcgcta 540  
 tgggtgancta gccatatttg gaag 564

<210> 36  
 <211> 560  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA046840

<220>  
 <221> unsure  
 <222> (1)..(560)  
 <223> n = a or c or g or t

<400> 36  
 tacaaatact gtaaaaatta atataaaaaa gtgagcatgc tcagtctttt cctcttatct 60  
 acaatacaaa gggtttgtct gaaaagtctg gtttttttct tttttacaaa tgtaccttag 120  
 ctgcatcaac aggagtaaga tgtagaaaaa gctaccatta caaaaaataa ttaagggaaa 180  
 ataaacacgt ttagcttctc tcgcagttta gtggtggtta gtccaggctg tagcttcttt 240  
 gcgctcctat gtcccaagaa actgcagcgg gcaccgagg gctctggctg cgcagggcag 300  
 ggcgcgctcc gctccggggc gtcgggtctg aggtatgggt cgttgctgag tctctccgcg 360  
 cccggccgcg cgttaccggc agtctgctgt cccggcggcc ggcagaaggg cgggctgggc 420  
 agctgcttga agaactgccg gagggccagg tcccgcgtga ntgctccacg cgctggtgca 480  
 gttctcgttt cagcgacagc tcacaacttt gtgcantcct ggttgcgccc cttggcttgt 540  
 gggggttgcg acgggatgtt 560

<210> 37  
 <211> 464  
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA047151

<220>

<221> unsure

<222> (1)..(464)

<223> n = a or c or g or t

<400> 37

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agaaaaacca ccatcgtgtc acgtcgacga tgccaaatta tgtagcgtg acaganaaca 60
ccgtggggga ggaaggcagc agctgaagaa aaaagctcaa atgatctagt cactttcgat 120
actgtacttc agatgcgaaa tggatattcn gagtggaaac ctgacaaagt gcgcctgctt 180
tgatgtgaac tggatatagc aatgaccagt ggctgggtca gtgggatgtc tctctgtgag 240
cacaaaggct tatcaaatga cactaaagat aagttcaaca accatcacat tgggaaggag 300
aaaggccgaa catttcatgt ttggccgggc atgtgagtgc acaagatgga aagagcgatt 360
ggagcatcct ggtataatta cccccattgt gctcttaatg gaaatttcaa aggacgggag 420
tattctgttg gttggtgtcc aggtttgtg cactgttcca agag 464

```

<210> 38

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA047880

<400> 38

```

tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag 60
cttatcacia actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc 120
agggtgcctgc tgccacctct ccaagcaggc cagagtccag tagagaatgc gattcaggaa 180
gatggctcct cagagggcag ggaggtttagc tacggaggcc gctcacgtgg aaatgtccag 240
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggtgg 300
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa 360
ggtgacctct tttcccctaa tcttctttca acccagagag tttaagtctt ctc 413

```

<210> 39

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053267

<400> 39

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ttttttttct cactgcaaaa caacttttta tttaaaaggc caataatgag aataatgagt 60
tgcacaagaa tgaaaacctt atcccttcca aaagatcggc ctatacatta tgtataaagt 120
tagaataatt ctaaatacaa aatgccaaag accagcgggt ccaactcctc ctctcctaag 180
ccatcttgac agtttcacat ttcagcttcc agacgtcatt tctgttgctt ttaagggtgc 240
ttaccagacc gtggtctgta ccagacaggg tagttggcac agcgtaggca ctgccagcag 300
gcccttgga gcttgg 316

```

<210> 40

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053424

<220>

<221> unsure  
 <222> (1)..(431)  
 <223> n = a or c or g or t

<400> 40  
 tttgagcttt cagatttgct tttattggta gggaaattcc agagtgggga gccacccagg 60  
 aggagacagg ggtgccgagg cttctgggag tctggaagct cccggatgga gaggcttaca 120  
 gccccagcct tccccagcag gagcacaggc aggggactgg ccaagtctgt cagctcagag 180  
 caggaccggc ttcagggcct gacttcggtc tcctcttgac ccgccccgga ggcttgtggt 240  
 gggctctgtg tttgcagctc tcctgaacag agctagatga ggggtgggagg cccccgttgg 300  
 ctcacacagt ggatgctacc atctccggcc tcttggaagt ggagctctgt gccagagtca 360  
 acagtctcca ggggtgggccg gaagttgttg taggcgntct caaggccgaa atctgctctt 420  
 cctcagattc t 431

<210> 41  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA053883

<400> 41  
 ttttttcaga gattatgaaa attttattaa taaagaaaat ctgcattaca catatcccct 60  
 ttaaaaaaaa ccacctcaaa catgtagaaa tgctttatgt tgtatttgcg atttgatcaa 120  
 tgccagaaaa atgaaaccac aacaccaaag tacagaccag tatttttgaa ggggataata 180  
 atcatttgag ataataaact actagaaaat cagaagaaat gattcaaggt attcatttca 240  
 aaggctaaac cactaattct tcattccaaac gaatgtttcc actgtgagtc aata 294

<210> 42  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA054222

<220>  
 <221> unsure  
 <222> (1)..(426)  
 <223> n = a or c or g or t

<400> 42  
 aaacattggt tactttatat atgactttct tctggtagt gcaaactaaa ctttttaggt 60  
 taatctcctg ctaagaaaca taaaaactca acatatgcta gaaggcactg aagagctaac 120  
 aagatagatt aaggagacac tagtccagca tttagtgtcg atctaaatgt cagaagtggc 180  
 tgtgactcta aacagagctt ttgacatgct acagcagagg acggcaaact atagcccgtg 240  
 tggcaaactc agccttgcac atattttgta aatacagggt cactggaata catttatctc 300  
 attaatttat tgttttattg tgcttttgca gaacaatngg cagagttgat tggtgagaca 360  
 gagattgggc ctacaaagac taaaatattt attctctagt cctttacaga aaaagtctgc 420  
 catcac 426

<210> 43  
 <211> 251  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA055081

<400> 43  
 ctattatgat atgtttatgt aaagttcaaa aactggccga actaaaatct acttgatttg 60

```

gaacacacct gaatgtgatg aaagtataca gaaaagcaag aaagttatattt aaataaaaagt 120
caagatgggtg gttacctctt aggtgggggc tataatgaga aaggaaggac aagatagaga 180
aggttctttac tgtcagtggt ccatttcttg atttggtgga tacaagtgtg tttataatta 240
ttctttaaac c 251

```

```

<210> 44
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA055163

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```

<400> 44
tttttcaaaa tatgagttta atgacagaat tagttagcta gtattccaca aaaagtattg 60
ctctatttttc aaaaaatttg cacagtgtct tacacatgtg ctaaaagatt gagaaaataa 120
attagaaaaat tatactgcac acttaacact aaatctacca agcacaatgt aacttttaga 180
cagctcagaa ggcacttttg gatttttttt tttttcagtg cctcagggat cagtatgaac 240
tccaattatt gttgccctgg ccaattgtgg gagtactgat aactggagag ttaattgact 300
gctggataaa gcaatcttta atctaaatgg ggaaggctca ctagcagcta cagaggaagg 360
gggtattcag atcccagctt aaggctagga agccagctga cccaatcaga gacatgaacc 420
catcagaaaa atgtaaaagt tttcatcttt c 451

```

```

<210> 45
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA055768

```

```

<400> 45
tttttttttt tctgttcaaa aaaggtttta tccaaaaaag ttaatcaaga caagcaacag 60
atactgcaaa gcattatata cagcaccata gtccaggggc caaagaaatc aggaggggct 120
gggcagtaga ggaattccat atattaatga atgtgagatt aagtatagag tgaagacatt 180
aacacacaat ttctaatttc tgttaggcag aatgctccc taccctgatg ccacagcctt 240
tcacgtttcc taaaccctag taacctctga tctccatctg cctcatcaac acgtcaccac 300
cctttgctct tcttccaatt tagtcacatg ttgggctgaa tttattttcca ctcc 354

```

```

<210> 46
<211> 610
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA056121

```

```

<220>
<221> unsure
<222> (1)..(610)
<223> n = a or c or g or t

```

```

<400> 46
ctccccctcc ctgctccaag ccggagggtt cctgaggtga cagcgcctgc aactgaaatt 60
tcagcagcgg gagaagatgg acaagagaaa gctcgggcga cggccatctt catccgataa 120
gaaagatggt aaatgcaaaa ccagaggatg tccatgttca atcaccactg tccaaattca 180
gaagctcaga acgctggact ctccctttgc agtgggaaag aagcctaagg aataaagtca 240
tctctctaga ccataaaaaa aaaaaacata tccgagggtg tcttggttact tccaagtcac 300
caccagaaaag gcaactcaaa gttatgttga cgaatgtcct atggacggat ttaggacgaa 360
aattcagaaa gaccctacct agaaacgatg ctaatttatg tgatgccaac aaggtgcaat 420
cagactcatt gccttcgaca tctgttgaca gcctagagac atgtcaaaaa ttagaacctc 480
ttcgccaaag ccttaattta tctgaaagga tnccagagtt atattgacga atgtctggga 540

```

acggggttagg aagaaatcct aaggnccac ctgtactgag ggaattggtg ttcagcaant 600  
gcatcaggga 610

<210> 47  
<211> 404  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA057195

<220>  
<221> unsure  
<222> (1)..(404)  
<223> n = a or c or g or t

<400> 47  
agaaaaacca agtgtcttta ttcctcgatc gtttagtatg gcggtgggcg gcgcgcgcgg 60  
gggagcctgg agcccaggga atcgacctgg agggccagtn gngggancgg aggggtgcgag 120  
gntcggctcc tccgcagccg gccctggagg gggtcttggg ggatcgcgcc aggccaaaag 180  
tctgcatggg cggccccgag cctcctgag ccggcgcgcc ccgggnttng ggagaggccn 240  
ctctgnncgc ggtgccgntg cgggccccgg tgccggcgctc gcccagggc taagggtgcc 300  
cgtctcaggc gagacccag gagcccgccg ccccgctgt ctcttcagcc gacgtagaca 360  
cgtngggccg ggaacccag tcttaacgcg tggtcaagct ctgg 404

<210> 48  
<211> 491  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA057829

<220>  
<221> unsure  
<222> (1)..(491)  
<223> n = a or c or g or t

<400> 48  
cacggccagc ctctcctgca gctgcgcgtn gctcacctcg ctctggcccc tgggtgccgtc 60  
cacctccagg gtggcctcac cgtccctcag cgagacggtg accacgtgct cttggccgct 120  
gcagacttga tctccattag ggccaaggcg tatgctccac ggccaggacc accagctgct 180  
tcttgagttt cttcgtggag tgatagtcta ccagtgccac agagagaggc acggcacgga 240  
ggtcgggggc ccagangcgc aaacaagcac gcctgtgtct gcggctgggc ggattgtgaa 300  
gccacgactt ctacttccca ggttgattca gtcccagcgt ccagaagggg tccgcatgta 360  
gtccaggctg tagaaggcga agcttncccc ggggttagaa agaagcctct ctccgtcacc 420  
gagaagcact gcattcctcg gttnatttca ccgttttctt ggatggtggt gtcttctccg 480  
ttcagccagt t 491

<210> 49  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA065173

<220>  
<221> unsure  
<222> (1)..(333)  
<223> n = a or c or g or t

<400> 49  
 ntttttcatg aagaccagtt tattttacat gcttgctttc acattcttta ctgggaattt 60  
 aaggcctttt ttcagcctta acttgtatac caacctcaag gattttgttt gatacagaaa 120  
 aggatagggc tgggccttct gcccaaggact gataacctgc ctgccaaaag gaagagggaa 180  
 tgaaagcctt ttgtccttct aggcccctta cagtacctca aaatctaaag gccttaaagg 240  
 ggaaaaaaac cgtatctggt ctttctcctt atctcctacc cttctcttta agcatattga 300  
 agatgggactt ttttccaaat gtttatttgg agg 333

<210> 50  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA069913

<400> 50  
 ttttcatgtc agttattatt actttattac attttgggtc tcttactact ttcaatacag 60  
 tacattgtct tttgaatggt acataatata aaagggtattg gacgggtttta aaaataaact 120  
 ttaactaccc attgatacat acttgatgac acaagttctt ccatatacaa tgcaaagcat 180  
 acaaaaaata cattaggaat tctactttgt acagtcgttc attaaatagt atttacacat 240  
 acattttcag gttcctctga gtatcttgat aacccttggt gaagatggtg gtttaagtctg 300  
 tccttacaaa cttaaatttg taagtcttac atctgaaata aaagagctca ggtaaaactta 360  
 gaactgaccg agcctgagct agggaggaca aggggggtgt gggggaagca gcctggggca 420  
 tggcacatgg gtgaaggggc gtcgcacctc cacataggcc tacagtaccg g 471

<210> 51  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA070752

<220>  
 <221> unsure  
 <222> (1)..(436)  
 <223> n = a or c or g or t

<400> 51  
 acgtgcagtt cagtcaatga aatcctgagg attggataaa gtaaacaac tgaaatggat 60  
 gcatcgtacc atctactgat gaggaagata tgaggtccta gttgtgaatc atgaaatatt 120  
 tagagtctgg gtacccatga gttagaagag gatttgctga ggtcatttag gtcttcattc 180  
 tgcgtgatg tccagttgag ctactgacgg tcctctggct gcttctggaa actgatgctg 240  
 gcataggcgc ttaaatacctc acttgagcgg cgggtggagc tgctctcacc gctgcccagg 300  
 ggttgatgan nggggtggggg tgggggaagg ctgcggttca ggggtgcact cctgagggca 360  
 ctgtttgaag tccttgacca aatccaggtc tatgtagtta agaccattct ccaaaccctc 420  
 agcagcccca cacagt 436

<210> 52  
 <211> 458  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA071558

<400> 52  
 taagagagga ggatctcact ctgtcaccta ggctaaagtg cagtgggtgtg atcataactc 60  
 actgcggcct ccaactcctg ggctccagcg atcctcttgc ctcagcctcc cgagtagctg 120  
 ggactacaga tgcattgtacc acccacagct aattttattt tatttctgta tagatggggg 180  
 ctcgctatgt tgcccaagct ggtctcaaac ttttggcctc aagcagtcct cctgcctcgg 240

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cctcccaaag tgctgggatt acaggtgtga gacacggcac aggaatcatt ttttttagc 300
ccccagttct gcaaatttgg cttctggggt ccccccaat ttacagacag ggaaacagat 360
tcttaggcaa catgtaactc acctacgcat cctgaagtgt ctaagtggca gagtgctggg 420
gcaaaagggtg ccactcgata aacatgtttt aggtgaat 458

```

```

<210> 53
<211> 242
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA082041

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<400> 53
cagaatagca tgcaattttt tattgttttc taaatctatt tgtacactta atatgctagt 60
attaatttca caaacagtat aaagaatgta ctccaatgat attacgcggc aactactcac 120
ctgaaaaaga aaacattgtc tctgaaataa ttcctaatta tacaattttg caaataagca 180
ctataaatgt taaaatgtta agacttcagt gtaataatgt caataacatc ctgccttttt 240
aa 242

```

```

<210> 54
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA082546

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<220>
<221> unsure
<222> (1)..(558)
<223> n = a or c or g or t

```

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<400> 54
agagaagacc gtggatcacc tggggacaga ggtgaaaggc ctgctgggct gctggaggag 60
ctggcctgga acctgcccc gggacccttc agccccgctc ccgaccttct cggagatggc 120
ttctgagccc tggagctgga gccagcagt tggaggtggg gcacctgcca ggcagcgcca 180
cagaaccagc cctgtcctct cgacttcctt ccttagcttc atgtgaaata aaagctattc 240
tgggtctctc tgtgtctgct gacagagtaa cccgtttaac tacagcctcc tctcactcca 300
cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acacccccan 360
tcctgtcatt tataggggaa gatggagcag ggggtgattc acacagatgg ggggcccctc 420
gaattggcct gcttctcaga atgttgcca taggtnaaaa gcaaggggat cgggggttcag 480
gaccancaga atgttttagt aatctgnatg aatgagaccc caggatttat gtgtccatta 540
agtgggtgtt gtgnttttaa aaaaaaa 567

```

```

<210> 55
<211> 328
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA084138

```

```

<400> 55
ggttacaaga ttctttattt tgtaaaactat acataaacag taaaaaagaa aatgcattat 60
actttattac gtaaagtcaa cattaaattt tgtattgagt gtgtataaat taaatggaaa 120
taattaatca attttgcttt caatgaattg tatactggga aaccagttta cccactgttg 180
aaattaaaga taccaatacg taacattcaa caggtttttc catttttatt atgggcacaa 240
aaccattggg atgatatagt taaaagtgat ggtgtgccaa aatgtctaca caattaatta 300
acatgctaac ttaaatacag cggttaaa 328

```

```

<210> 56

```



<211> 412  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA084324

<400> 56  
 ttttaggaacc aaattcatca tcattatcac acaaaggcat ttggaaatgt caccttacac 60  
 atggtgagca catatgggtg ccagcccgag acagcaggat aagtttcaca aaacttgacc 120  
 aggcaggtta gaagcaaggc atggttcagg atggcagagg gcagggagac agaaggaggt 180  
 aggatgggag agaagagcca gctggaagat gagtcagggg gtgcaactgg ggagagcagc 240  
 tctgaatcct gcttctcagt gagaaagttg ctaagatggc tttgcaggga gctgtcctat 300  
 cgctgctcga gatcagcctg ctgggcctat tgatgataag cagggctgac cctcttgggc 360  
 tctgtagcta agcccaaacc ctgctgaaaa tggggcgggg aggttgaggc ag 412

<210> 57  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA085608

<400> 57  
 ttagagttaa cataatatat ttattttaag tgccattcat gcatatcagt tctggcagca 60  
 acaatcctaa tgacacttgg aatatttctt tacagcacta aacagttaca aataatgggtt 120  
 gccgttcac atagaggcaa aatatgaaat cgtgcaatag caaaactgta gaaacattaa 180  
 aacactgact gtccaacagc agtacagaga gcagggttga tctgcacaaa aagccaatgc 240  
 attttcatca catatataca atatagatat gtacacatca ccctctgaat gaacaatatc 300  
 aaaatactct attccatttg aaattatccc cggattgatt ccctcccact tcaaaggaca 360  
 tctgagcgac acgtattttac aagaacacac atgaatacat ttacatttca aa 412

<210> 58  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA085943

<220>  
 <221> unsure  
 <222> (1)..(370)  
 <223> n = a or c or g or t

<400> 58  
 agaaccacgc ggtgttctga ggggagcggt tatttcaagc naccgatggg acaaacantc 60  
 ccaggcttcc caggtgnan tgnccggggc ggcattctca cttccagcgg cctccaacgc 120  
 ggcccttccc tgcccccttc cggaacttct gggcggtggt gatgcggttg tacagcacgt 180  
 tgatctcata tttctgctgt ttcagcttcg ccatacaggtc gaacttctca gactccagct 240  
 ggtggatcca gtccgacagc tcttgggctt tctcccggag ctgttctcc cccatgtaag 300  
 tcaatgttca agagggcttc ttaacgctcg gaaaaggaaat gcgcaccttc atctcccggc 360  
 ccccgctctgg 370

<210> 59  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA086264

<220>  
 <221> unsure  
 <222> (1)..(406)  
 <223> n = a or c or g or t

<400> 59  
 tttttttttt tttttttttt tttttttttt tttttttttt tttttccan ggaaacactt 60  
 ttatttcngg aagtcagaag aaaaacaang ngcacaacct gaatgacaca gagcggcagn 120  
 tggaaccac aggggctgcc ganagctggc ctttcacagc agaccactgt tttccagtga 180  
 gaatgggtgg ccattccaaa acaaagctaa aggggtccaa acatccagaa tggaagctgc 240  
 tcccccaac tccattacct atactacagg atggattgct tttgtgaga ccccttcttc 300  
 cactgggcaa ttttnggcat tatttaccct ccccccgatt tttaaaagct aaaatggcgt 360  
 cccaggggaag aagtgccggc ttggatgcan gcttgggcca ntcact 406

<210> 60  
 <211> 250  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA091278

<400> 60  
 gtttgccttc taattgatca tttagactat tctggctaag tctgcccaca tgtaattacc 60  
 ggctaattca agcgaggaaa aatgtaagtc atttagacca aagccaagca gtttctttgc 120  
 gtgggttact caagggcttg tggttacttg tatctcctct atgtgaactt gactttgaaa 180  
 gacagagctc tagtgtgcca gcttgctaag tcctgtaaga atagggaggg cggaggggggt 240  
 ggcagtacta 250

<210> 61  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA092215

<400> 61  
 ccgacatgaa ggtgtcagct gtgatgcatg tttaaaagga aattttcgag gtcgcagata 60  
 taagtgttta atttgctacg attacgatct ttgtgcatct tgttatgaaa gtgggtgcaca 120  
 acaacaaggc atacaactga ccacccaatg cagtgcata taacaagggg agattttgat 180  
 ttatactatg gtggggaagc tttctctgta gagcagccac agtccttttac ttgtccctat 240  
 tgtggaaaat gggctatcga gacatctctc agacctgtta cttctaaaca tgcagaaca 299

<210> 62  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA092716

<400> 62  
 gcgagtctgg aactctttct tcggggcccc ggggcacacc atggaggtct cctgttgaat 60  
 ggcccttggt gccctagagt gggaccacgc cctcacctcc cccagagcta acctgggagg 120  
 tgctgaaggg gcattgggac accgtaagca agggaaaaag ggcagatcat gcggggagat 180  
 gaccttgatc tttgattgct accctaacct tgacctttaa cccgtgattc ccccagctcc 240  
 tggagagatg tctaatatct cttagggacc agaccctaaa ttctctctcc ccatttgatg 300  
 ttagtgg 307

<210> 63

<211> 309  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA093923

<400> 63  
 gtcataatgg accagtcattg tgatttcagt atatacaact ccaccagacc cctccaaccc 60  
 atataacacc ccaccctgt tcgcttcctg tatgggtgata tcatatgtaa catttactcc 120  
 tgtttctgct gattgttttt ttaatgtttg gggttggttt tgacatcagc tgtaatcatt 180  
 cctgtgctgt gtttttgatt accctggtag gtattagact gcacttttta aaaaagggtc 240  
 tgcattcgtg agcatttgac cacagtggac gcgtggctat gcagggtgatt cctcagtcct 300  
 ccttggtct 309

<210> 64  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA094800

<400> 64  
 ggcactgcag aaaaagttcc agaaacaatt tgggggttagg cagaaatggg atcagaaatc 60  
 acagaaaccc cgagactctt cagttgaagt tcgtagtgat tgggaagtga aagaggaaat 120  
 ggattttcct cagttgatga agatgcgcta cttggaagta tcagagccac aggacattga 180  
 gtgttggttg gccctagaat actacgaca agcctttgac cgcattacca cgaggagtag 240  
 aggccactgc ggcattcaag gcattctcac a 271

<210> 65  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA099820

<220>  
 <221> unsure  
 <222> (1)..(323)  
 <223> n = a or c or g or t

<400> 65  
 gtgacatggt ttttgcttta ttgaaattct ctcttcaaaa aggtctgang tatttttaggc 60  
 caggcctaatt ttgcttttgt ccctgaaatg caggcccatg gtcatttcca tgctctctga 120  
 agtaggtatg taaactagta gacttcatt ttttaagggtt acacactttt taacattggt 180  
 tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagagtt 240  
 atgtgcgtct tcatggaagg gataactgga ttctttgcca gaaccgggtt gggaatttag 300  
 tttgttcaat gtggcatctt tca 323

<210> 66  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA101767

<400> 66  
 catttcataa ataatgtact ttattttatt gcatatggct attaaggagg gcatccatga 60  
 tcaatacaga ctaaatataa tgcactattc tagtccagtt tattctcgtc tccagcagca 120

```
tcacattgac ccctatatac agcgtgtaca gtggaagaca gagcaagata agttaagtct 180
cttgatcatat cacaatagca agaaatatat ttaacatctt gatatccaga aacaatacgt 240
acccaaaaag aaaacactgt ttaataactg ttaaagttta tatagcaaaa aatattttta 300
atttaaggta agtcaggcaa aatgtacaaa gacccaatat acattgtgaa gtttttagcaa 360
acataacatt tatacatttt ggttccattc tgtaaactaa attaaaaatg gtaaataattg 420
catatgcctt t 431
```

<210> 67  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA102489

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<400> 67
agtctacaag ttcagaccca catgtaacgg atttttgctt catggttgct agaggctagt 60
gtgcattatt tctgaggatt atatccaatg acacgacgca gaaaacacaa atggacggac 120
agacggatgg acataatcat taagacaaga gactctaaaa cgtgccttag tgtccacgtg 180
attgatctaa ggcggggacc cttctaagggt ggggacccga gtgatctaaa gcagggtggc 240
ttccagcaca aggggtgccga 260
```

<210> 68  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA114858

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<400> 68
tttttacaca aagaaaaaga ttttattgtc ttcttagtca atatccctgg tgaaattaga 60
ggcatagctt gagactggtg acagtgcac acagaccttc aggagctgct ttgaggactg 120
gcctgcccag atgcctgctg ttaagccagc agccccctca ctccggcccc tgccatcttg 180
acagatggag ctgccatggt ttcagggaca ctcagcaggg catctgggtt ggtccctccc 240
acatggacct tgtaaagttg ctattcaggg gaacctggta tcgtttcagg caaaacacag 300
aaccatatta gcacttctaa gccccctgcc ccggccgcct ccccggaaca tttgggcttg 360
tcgcacattc caggagggag caggagcaca gctgcagcca cagctgccag gaacaggcct 420
gggctccccg ctgtgtgggg ggaagg 446
```

<210> 69  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA121142

<220>  
 <221> unsure  
 <222> (1)..(365)  
 <223> n = a or c or g or t

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<400> 69
tttttttttt ttttcaacaa actcagcttg actttattac atggaagctt gcagggagcc 60
agcggggaag gcctgtcttg gcaggaactc catggctggg ctggactgga ctgagcagtt 120
ggtgttccag atctgccggg gagaccagat caacagcctg cctcttcagt ttatatccg 180
aagactcgcc caggctcctg ctacttgggg ccaaggtagg aaacagcctt tcctgttttg 240
ttgagggttg ccancagggt gtctgagctg tgcccaaagt cgatgcagac cttctttttg 300
ggcaagggtc atgttgaact ccantcctcc caagcttggt tgaaggactc tggaaaacgg 360
gtttt 365
```

<210> 70  
 <211> 564  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA122242

<220>  
 <221> unsure  
 <222> (1) .. (564)  
 <223> n = a or c or g or t

<400> 70  
 gcgacatggt tagaaatact ggtagggaac caggagtaag aaaagcttta ccagctttta 60  
 ctacaaatgg atgaaagaca tcaggatccc accaccgcaa gttaaagtac ttcccttttc 120  
 tggaacccct gtggcacagg agtaccattt ttccctttcca acgaactgga tttctggata 180  
 ggcatttttg ctgtatgtgg acagataaga ccacagtcct tagcccaatc ccagctatac 240  
 agtcacccca atttccacaa atgatgtgat ggtaccgtat aatcctgtaa ttgggaaatt 300  
 tcacattttt cctgtcctaa tctcagaggt gggagaagca agtctagaac atctccaggc 360  
 tcagactaaa cgagagtact tggactgcaa ccaagtaatc actgcaaagt agttccaagc 420  
 agcaagaaat accagattct catggaggct actatagggt acagaataac aacatgaaag 480  
 caatcaaccc tgtataaata atgttcttgg catttttttt ttattaaaga atccagtgt 540  
 caaaaaaaaa aaaaaaaaaa gggg 564

<210> 71  
 <211> 584  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA122302

<220>  
 <221> unsure  
 <222> (1) .. (584)  
 <223> n = a or c or g or t

<400> 71  
 cagattctta tttgccatct caccgagaaa atgagcatgg tatagttttg accagggatg 60  
 tagccataaa actcgtgagc ttatatttca ccaaggatga agcacttccc tgggcaatga 120  
 gaagaaacca acacatgcct ctggagtcaa gacatctgtt taagtttggt aactggagta 180  
 ttcttcttcc tgagaagtat agaaaagact atgtatatac tgaaccaatt ctnggaggac 240  
 ttagtatttc attgccagga cttacagaca gcagagcatt acccttggtg gccaatgatt 300  
 ctcagttaca gaatttgcca ctaacctata ttcttacttg tcaacatgat ctcataagag 360  
 atgatggact tatgtatgtt acaagacttc gaaatgttgg agtccaagtt gttcatgaac 420  
 atattgagga tggaattcat ggagctttat cattcatgac ttcaccattt tatttacgtc 480  
 taggtcttag gataagagat atgtatgtaa gtnggctgga taagaatttt aaatatgtga 540  
 tgtgtatgta tagcccctac tagtggtatg natttgtgaa atta 584

<210> 72  
 <211> 261  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA127946

<220>  
 <221> unsure  
 <222> (1) .. (261)  
 <223> n = a or c or g or t

<400> 72  
 ttaaagtgaagaaaactttttttgagtaa tatacatatc attcattcca ttttaattttc 60  
 atagctatgc nctatgaaaa tttaatggaa tgagtaatat acatatcatt cattccattt 120  
 aattttcata gtgcatagct atgtgtagaa gtacacaggg aagaataaac attagaaata 180  
 cctagccatg aaaatataca agtgaagaca tttgatatat ccatggacng gcttggaagt 240  
 attataaaac aggatccatt a 261

<210> 73  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA130349

<220>  
 <221> unsure  
 <222> (1)..(444)  
 <223> n = a or c or g or t

<400> 73  
 tacaaaaaac aattgttatt tgtgtacttt taaaacctca cagtaatatt ttcacactac 60  
 cttcttggct gaaagttcac actcggaatt ccagagcagt ccatggccag gccactggn 120  
 tccccttgct ctctccttgg ctttggtaac cactggcccc agggactcag cctgctttcc 180  
 tatccatccc ctcatagct gtcacatgc aggttacctt ttctgtttct tctaccacta 240  
 actccatgtc tgactgcaag tgaaaggaac agaagcccaa acctttgggt ttttaaggagt 300  
 ttattgctaa tctgtaaaac agaaagagac aggagataag catgacaaaa tatagggaag 360  
 aaatgacttt tgcctaaact tccaaactgt gtacaattga agcctccgct ttatagctct 420  
 tagcacacct ctcaaataag aagg 444

<210> 74  
 <211> 616  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA131322

<220>  
 <221> unsure  
 <222> (1)..(616)  
 <223> n = a or c or g or t

<400> 74  
 gatttccatg cactttaatg aggtccagca ctcaggagga ttagcgccca ccaccagctg 60  
 cctgggcagg ggagggccgg agcaggtngc aggcgtcagg cttaggacag ggaagggggc 120  
 tcaggatggg gaagggctct caggacaggg gaaggggctc agaagagagc agggggctta 180  
 ggacaggaag gggcactcag gacggggcag ggaaggtgtg gggggcagtc gccacctggg 240  
 taggaagcag tgggtgtttt gacaggaggg gctggctctc cagtgaacca ggtggacacc 300  
 ccaggcctga ctcacggctt tttggggaca tagtggtgga tccagtccaa gtagtaggtg 360  
 acacgggtgt agatgccagg ccggttgggc tgggcacagc tncgntccca gctgaccacg 420  
 cccgcctgta gccaggtgcc attcaccttg cacaccaggg gccctccaga gttcgccctg 480  
 gcatgagtc ctccgggtgt cccggcacac agcatgtcgt tcacggatga tgccgacgtc 540  
 gtctcccgtg taggcgcca agtggtatgt gcgtcacaaa tgtggtttcc attatgggga 600  
 ccttcaactgc ttcagg 616

<210> 75  
 <211> 464  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA131919

<220>  
<221> unsure  
<222> (1)..(464)  
<223> n = a or c or g or t

<400> 75  
tttttttttt tcttgagtaa ttttttattt tgtgcagaga caggatccag aactcctggg 60  
ctcaagtgat cctcccactt tgggtctcca atgtgctaga attacagccc tgagccacgg 120  
ccccatgccc cgtttttacc agtgtatatt ttctactgga aaatgagact tttagggatg 180  
aatgtggact tgtctgttga aacttgtaaa tttgcttaaa aaaaaaaga tctccaagtc 240  
ttcacaaaat tttatattcc ccaaggctgc cccatcacaa tgctgtgaa gcttgactgg 300  
cagacactga ggcctgaagc tgggggctgc aggggggtcac tggctcacc ggtccccccg 360  
taatctgtaa aacatactgg gtgaggagg ctgctggagg acctgaatct ctcccttctc 420  
caggcagtag tgaggcatat gctgntggcc ttgggccaat taaa 464

<210> 76  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA132239

<220>  
<221> unsure  
<222> (1)..(417)  
<223> n = a or c or g or t

<400> 76  
tttttttttt tttttttttt tttttttttt ttttttgcag ataatttctt tattgaaact 60  
atcaggaagt tttactatga aattttacat acatgatgga aagtggaaga catataccaa 120  
ttatattcca ggaaaaaata cttaaatagt attgttatat agtgtattgg ctaattccag 180  
tggatcctca tctctcactg ctgacattat cnccaatatt tgaattatat ggcagggttc 240  
atttctgtct ttttaagcagt gccacttttc ccacttcttt ttggnaggaa atgcagttct 300  
tananattn gatccagcat gtggactttt gactccacac caaggggcat ctgtctcaat 360  
cattaatttt tcaactaggaa ttgncttcaa aacttcacaa ttagcttcag ttttcag 417

<210> 77  
<211> 467  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA132453

<220>  
<221> unsure  
<222> (1)..(467)  
<223> n = a or c or g or t

<400> 77  
tttcaaaggg tacaaagaag tttattgact atgatgcagt aaagatacca agagttacaa 60  
tatttgtgca tatggcccaa cagtgcctac cctcctacaa aacaaaaaca aaaacaaaaa 120  
aaggcaatga ggtgcagcag ttaacagccc aacactggag tcaaaggaat ggagctgcct 180  
cttctggcag caaagtttca agttgtgcaa ttaataata gtcttgggcc actccttgtg 240  
ggctttctta cagtttccct ttagaaccat aactgagtga cttagtagaa cattcatatt 300  
caggatgtgg cctccagaag tgcgttttg ttttgttttg aacaaagacg tgctaccttc 360  
tctcttgaag caccagtgcg gggttcagga gctacagagg actaagatgt tccccaaagta 420  
gcctggaagt aacaggctac atgggaaaac acaaagcaat tggtgng 467

<210> 78  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA133756

<400> 78  
 ctccatttat tttattttat ttttttataa aaaagcaggc ataaaatata attacattac 60  
 tacgaagatg caacaaaatt ttaaaaaaga aaaagggtg caattttttt cagagaggac 120  
 agctgatcaa atatttataa ttttctaaac catgcagttc attacttatt acaattccaa 180  
 acaaaactca ttattatggg gatgggagtc agggagaggc cccccccaa gcatgatatc 240  
 cagcgtgtc acacagtgtc tatgttcaaa gtgcttataa atgggtgtctt cacagcatag 300  
 ggaagctgaa gccttattcc agggaaggag aggtgagtca gtagcagtg ccaatggcag 360  
 actcagaaag ctcggcagtg acttgcctcaa aat 393

<210> 79  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA135870

<400> 79  
 aaaattttaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtggtg 60  
 tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120  
 atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc aagcaataag 180  
 atcacgaaag gcagctgtaa aacaggatta ttctgcatgt gttgccaca actagggcaa 240  
 gggtatctct catcacaagt acaaagccat tgatgttagt gtgtaacaga gagaaaacag 300  
 aggatttgta cagctgagga aataaatggc agatgttaca caggaagcaa tataacatgg 360  
 tcattaagta actgtattca accctcaa ttaatttt 398

<210> 80  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA135929

<220>  
 <221> unsure  
 <222> (1)..(390)  
 <223> n = a or c or g or t

<400> 80  
 aaagatatca attatatatg tatataaaaa aaaaacctca ctttccccac aaaaagcaca 60  
 atactgttat cacaaaaaaa atcatcatcc tcataattaa tcatcctagc cacgcagggtg 120  
 tntttgctgc caaaagatgg gacgacaaat aacgttgacc aggcagaacc cctagacacc 180  
 ctcggccac ccacagcctc tccggctgcc gaagacgagg gacgaggga aggagagtt 240  
 ctctgaggtc cccaggcctt caccatctgt gtcagttctgt gtcttctagg acagaaggta 300  
 gttgtttttt tttcttttaa aacgtctgtt caaaataaaa aacaaaagca cacgcgcaag 360  
 agaagcgggg aggaacggag gctgcctgctg 390

<210> 81  
 <211> 439  
 <212> DNA  
 <213> Homo sapiens



<220>

<223> Genbank Accession No. AA136864

<400> 81

```
cacacagaca cagaatttat ttctggacgc attctgcagg ctggaggtcc cggcagcaca 60
gggctcacac cttgggtttt gcaaacacct cccagccctc cagccggccc atcttgacca 120
gggaggccgc tatgccaaag tacacgcagg cggcggcgca attcccgtag ttgtgcgtgc 180
gtgctcccag agtcaggcct ccgggcagca cccgaggaag tagttcaggg ggtcgtcggg 240
cttctcgcgg acatggggcg tgatgcagg gtgaggcca aacacggccc cgacagcagc 300
tgcaagtgaac gtgtattgtc caaccttagc cactccttca aggaagggtgc ccggagattt 360
gagtgtgact ctgtaggcag cggcggtcag gccagcgacg ctgaaaataa ctgggtggtgc 420
tgtaggcttt gcggtggca                                     439
```

<210> 82

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142858

<400> 82

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tttttttttt ttttttttca aggggaaact ggggcagttt tattgacgat ggcaatgtac 60
aagactccac acctaggtat gtgcacgagg taaggcctga gctcaggcct tatgatcctc 120
ctcaggaccc ttggggggcaa acttctcctg cagtttcttc cacatgcctt tatctatttc 180
cttaagctct tccaagggtg ctgtggacag gatcagcttg tactcttcca acgacaggcc 240
actgaagctg gtgtctctgg ggcgagggtta cttgtgtttg tagtagtttg aatggagtcg 300
cgctaagtct cgtacatctg atcacaggcc tcaggctctg aacctgggta ttctctccct 360
cccgaaaggc ctgtgctacc cgctgtcgca ggtaagcgcc caagtcccgg ccccgtttgg 420
tctcgtccac tggccattcc tcacagagct taagaaaacg ccggtaccgt gggccgccat 480
ttgggccccg cgtgttcccg cccctcgtgc c                                     511
```

<210> 83

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA143190

<400> 83

```
tttttgaaca tgggaatagg ttttattttc atctcaagaa catttaagtt ggggtgaagaa 60
attcagcttt tggtgttaga atctgacagg cttcaaacac ttgtgatgga ggggttggtg 120
tcatatcaaa gtccacctag taaagtttta ggtgaccagt gactttgtca attaggtctg 180
ctggtcctgg cccaatccct aggacagttt gagagcctgg tgcaatctga gtacgtccag 240
catcttgaat taaacttaca gtcagtccca gcatttttgc atggggccaat aatgcaatca 300
gggtttcttc atcaggagct ttgaccacca ccttgggctg gccacagtat tcccattgtt 360
tgagcatttc aggatttctt ctttgaatct gcctgtaggc tgaaacagca gcatgagagc 420
actgggcagc cact                                     434
```

<210> 84

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA143467

<220>

<221> unsure

<222> (1) .. (599)

<223> n = a or c or g or t

<400> 84  
 gcccgcgtgcg gcagaggagg aggagcagca gggagccgac ggggccgctg ccgaggacgg 60  
 ggcggacgag gccgaggcag agatcatcca gctgctgaag cgagccaagt tgagcattat 120  
 gaaagatgag ccagaagagg ctgagttaat tttgcatgac gctcttcgtc tcgcctatca 180  
 gactgataac aagaaggcca tcacttacac ttatgatttg atggccaact tagcatttat 240  
 acgggggtcag cttgaaaatg ctgaacaact ttttaaagca acaatgagtt acctccttgg 300  
 aggggggcat gaagcaggag gacaatgcaa taatttgaaa tttccctaaa gctggccagt 360  
 atctatgctt gcgcagaaca gacaggaatt tgctgttgct ggctatgaat tctgcatttc 420  
 aactctagag gaaaaaattg aaagagaaaa ggaattagca gaagacatta tgtcagtggg 480  
 agagaaagcc ataccacct cctcttgggc atgtgcttag acgcctgtgc tcgtacctt 540  
 ctgttctcca agcagccgtc acaggcccaa aggatgtntg aaaagctctg cagatttct 599

<210> 85  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA147224

<220>  
 <221> unsure  
 <222> (1)..(341)  
 <223> n = a or c or g or t

<400> 85  
 aatacatttt cacagtgtgc tgaatgtctt tatttacaag atatcattct atagtgaata 60  
 tgaacaaaac gaatgtgcat ggttgaaata actgcttgat taaaaatgtg ctgtgaagat 120  
 gaatcactaa tcttttcta gactctgat aacacaataa acatggaaaa atactaatcc 180  
 cctaatagat cnaaatatag natatagncc ccnaaatatt tcnggggggat ggattttcct 240  
 tcngagggtt cncaaaaagg naaaanggaa atggnntccc ccagccaatg gtttagccaa 300  
 atattggggg aaatgccc atccaatggga aaaaccggga t 341

<210> 86  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA149051

<220>  
 <221> unsure  
 <222> (1)..(546)  
 <223> n = a or c or g or t

<400> 86  
 agaaattagt ttattcttta ttatcacaca gaataacaag aattagagtt aaattcacaa 60  
 tattttttaaa gaaaacatta tgtgaagatg attcatttca aaccaccagc caatttaaca 120  
 taaaacactt gtcaagctga gtagactgtt ttcttatgtg aaccacaaaa tattttctct 180  
 gaaatctaca cttagtttta aaacagagat gggattttgc atattagctt gaaaataagt 240  
 atatgatgat gatattaggt gccactagc acctagtttt tacagctttg cattgtcacc 300  
 ccatcactgc cagggaccca gccccaggca tacacagatg aaaggacagt ttcaccttct 360  
 tggcaaaaac cttcagaaca attgtcaaca tactctcaaa tgtctttccc actcagaaat 420  
 gaggagcaag gtgtatgacn ttagattcaa gaagtatatg gggctaaata tctttaaaag 480  
 ttttaactctg ggacaatgta cttaggggacc tactacttac tccaaatagg ggtagtagcc 540  
 attagt 546

<210> 87  
 <211> 561  
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA149579

<220>

<221> unsure

<222> (1)..(561)

<223> n = a or c or g or t

<400> 87

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atagtaaata tattacattt attctaaaac ttcaaaatta ttctgttttt gtagtactga 60
aaaaaagaca gtgccatttg aaacaacaga tgcattcttt atacattttc acaagtttgt 120
ttttcatatt tttaaaggcc ccatttatct gtaacagtgg tattttttatt tagagtatcg 180
gctacttaat atatacatgc aacaatatat gctttaatag tcattttaact ttttaggaata 240
tttcatcaca ttaagtgggt aagcatagtg ttaaaagagt ggaatttaag gaataagaaa 300
atattgaaaa tacgctgtta ttttcatttg ttactataa tagaatgttt ttgcccataa 360
aagttatcat tgcccaactg aattcctacc aagaactaac aagtgattct cagtggggag 420
aantttnttt nntnngaata tagagggctc gttagaaagt gcagatntag gcgggcgcgt 480
antcacaccg taatccagca cttggaggcc aggcgggcgg tcacgangta ggagatcgag 540
accatccggc tacacggtga a                                     561
```

<210> 88

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA150920

<220>

<221> unsure

<222> (1)..(420)

<223> n = a or c or g or t

<400> 88

```
agcgttgtaa gggtttatttg ggtagggaag gggacaagtg aggtaactga tccttgcttt 60
gtagacagtg caagacaatt atttgtgggt aagggaactg atgccaacaa acgttactca 120
tgcttttagt aaaactttta gtcacctaaa acagaaacaa ttctnaagaa cactgggtgga 180
aaatagaagt gtaaatgttt cagacaaaac caaggcattg tcagcacgat gtacattata 240
cggcagatan nacagccaca tcctaggcca cagagcagat cccaagagcc ccaggcatgc 300
aggagagttt taaaggaaca gacggaaatt ttaactgtga aaaccacgaa atttcatgac 360
ttttggtcag ctacnacccc aactaatata tgaccattaa gagtaaaatt ctgaccttta 420
```

<210> 89

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA151210

<220>

<221> unsure

<222> (1)..(426)

<223> n = a or c or g or t

<400> 89

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tttttttttt tttctggatg aatacatgtt ctggctcttg tacaggttct ggtaaatcag 60
atggagaaat gttgttcag aaatgtcagc aaactttaca gcagtagttc acacatgcag 120
ctactataca ttcattcatt gctattttcc taagaaatgg agcaacctag gagcttatgc 180
```

```
tacagtagat tccaatgaac cataatgact acttcaagaa caaagaagca catncaaagg 240
tgtgatatct tctgtttggt ttgagttttc aaacctgaaa ttcttttaaaa tacatttctg 300
ggatttttatt taaatattga tgcnacacac ctaaaaagca gtgacttctt gggtaaaatg 360
taatactgaa atggaaaatt gtcttttcaa aaaaataaga agtgtggttt ggaaattccc 420
cgtgcc                                           426
```

<210> 90  
<211> 400  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA151428

<220>  
<221> unsure  
<222> (1)..(400)  
<223> n = a or c or g or t

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<400> 90
cagagagaaa gtgctttatc agccgggctc agccgcgaca cggactcgcc aggagtaggt 60
ggtcagcacg cgctgctggc ggcnaccacg caggtgtagg tgccctcatt gacggcggtg 120
gcatgatgac tcaggtgcgc ctgcgccagg gccaggtagc cggggtagga gaactccagg 180
ggctcctggt ccttgtacca gtacactttc ctttcttgt ggaggatctt ctggccgcag 240
cggaagggtc cgttcctgcc ctccgnacca agcctggttt tggtcctggg gggcggtggn 300
ggtggttggc caccgtgggg aaaggggaat ttcgtagcaa gaaantccgc aagctngctt 360
ggggggcaaaa agcttccttt ccantgaagn cccgccggga                                           400
```

<210> 91  
<211> 502  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA151544

<220>  
<221> unsure  
<222> (1)..(502)  
<223> n = a or c or g or t

```
<400> 91
caggacgagc tgtggggggt gcaccggctc tacggatgcc tcgacaggct gttcgtgtgc 60
gcgtcctggg cnggaggggc ttctgcgacg ctgcgccggc gtcnatgaag aggcctctgc 120
cagcagctgc gacttctgct acgaattccc cttcccacg gtggccacca acccaccgnc 180
ccccaaggac caaaaccagg ctggtgccga ggnaggaacg tgaccttccg ctgcggccag 240
aagatcctcc acaagaaagg gaaagtgtac tggtagaagg accaaggaag cccctggaag 300
ttctcctacc ccggctacct ggcccttggn cgaaggcgca ccttgaagca tcatcgccaa 360
cgccgtcaat gagggcacct acacctgctt ggttgcgccg ccagcagcng ttgctgacca 420
cctactcctt ggcgagttcc gtgtgcgggg ctgagcggct tgaataaagc aatttctctc 480
tgaaaaaaaa aaaaaaaaaa ag                                           502
```

<210> 92  
<211> 285  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA152200

<220>  
<221> unsure

<222> (1)..(285)

<223> n = a or c or g or t

<400> 92

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tactcttccc tcttcattta ttttggaaat tgctagaaac agcttgaaac atccctttaa 60
tagcttcccg gcctcacgag tgttgaatga catgacgaat tctccttcat agaaggtaca 120
gggtgaaccag aactggaggg gcatttggga tccttccttc ttcagaaagt gcgatcgcat 180
caagatgcat gtggttttca gtagaactgg cccatgtttc ttgggagcga ggtgtccaaa 240
ccactgttca tccatatttc cnggatgatt tgctcccnng gctca 285
```

<210> 93

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA152408

<400> 93

```
tgattctgga aatattttta ttaggttcca ctttaaaaaa aaagtagctt ccttatgacc 60
tccacagtga gtacattaac tacattttca caaacagaaa acttacatac attcaactgt 120
ttacaagaca tgtctccata taacacattt acattcatgt gaaatctatg aacttcttta 180
attgcatata tttatgactc ttacatctgg taccttttaa aacagctaac atatagtatg 240
cttatttcct ataagttaat taatatatga ctatttaagg tgagaagagt ctcatttgaa 300
gaattacaat agttatattc ataccatggg aaatcaatag tttttctaaa cataaatttc 360
aagctaaagc tttagcaatt taagttattt aactaccaat gcatgaaatt cttatcagat 420
tgtcccattt ggattacagt ttaagtcatt tcaagctgtt cacaattatt tgg 473
```

<210> 94

<211> 528

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA155958

<220>

<221> unsure

<222> (1)..(528)

<223> n = a or c or g or t

<400> 94

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acccccgcag tttccaggat ttctccacc tgtacctcca gggaccccaa tgattcctgt 60
accaatgagc attatggctc ctgctccaac tgtcttagta cccactgtgt ctatggtttg 120
aaagcatttg ggcgcaagaa aggatcatcc aggccttaaag gctaaagaaa atgatgaaaa 180
ttgtggtcct actaccactg tttttgttgg caacatttcc gagaaagctt cagacatgct 240
tataagacaa ctcttagcta aatgtggttt gggttttgagc tggaagagag tacaagggtc 300
ttccggaaaag cttcaagcct tcggattctg tgagtacaag gagccagaat ctaccctccg 360
tgcaactcaga ttattacatg acctgcaaat tggagagaaa aagtactcgt taaagttgat 420
gccaagacaa aggacantg gatgaatgga aagcaagaag aaagcttcta atgggaatgc 480
aaggccagaa ctggnactaa tgacgataag agccttgatg agaacaag 528
```

<210> 95

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA156064

<400> 95

```
attactatac catttatttg atgaattaat caatgttcaa atggaagagg ttttgacaat 60
```

gtcactatgt ttgatgttta tacctgccct gaatgcttgc tcagaagaga aacagatttc 120  
 ccagatatttt ttataactta ctttcccatt gtcttcaatt aatttgctat tatcccaagt 180  
 agacagacaa cttcagtagt agccatctcc ctacattttt agatcactga aaaaaatgga 240  
 tgagcaaccc atgaaaataa ctagcttact gaaatgcttg tcttttaaag aaaagttggg 300  
 attattttaa aaaaaaatg gccaggacc agttagctag gagatctggg agagagaagt 360  
 cattgccttg gttctgaca 379

<210> 96  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA156565

<400> 96  
 atagtaaata tttaattggt tccatcagca attccagcac aagttttcct ggatggtagg 60  
 cagaatcaag ctacccaagg gttcatgatg aggtatgggg gtcactgagg agacccccag 120  
 agtcactgac cctcccgcg acctccacac accaggtggc cctgcagaat gaggggttggg 180  
 ctgatagaat gtcaattagg ggagacagga tacaggggtga gggaacaggg tctagcttgt 240  
 atatttgcct gcaggaagga gggagggcag gagagactct gcatagaagg actggaacta 300  
 cacattttaag ttttcaaccc caatatgcag ggggaaacag ccaagccact ctccatctgt 360  
 ctagtattag gaacctctct tcaagtggc ttttgtcatc tctgttcttc ttcccaattc 420  
 tgtattccag attccaaatt ctacaattga aacccaa 457

<210> 97  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA156897

<400> 97  
 cagacatgga aatataatatt taaaaaattt ctctccaacc tccttcaaatt tcagtcacca 60  
 ctgttatatt accttctcca ggaaccctcc agtggggaag gctgcgatat tagatttcct 120  
 tgtatgcaaa gtttttgttg aaagctgtgc tcagaggagg tgagaggaga ggaaggagaa 180  
 aactgcatca taactttaca gaattgaatc tagagtcttc cccgaaaagc ccagaaactt 240  
 ctctgcagta tctggcttgt ccactctggc taaggtggct gcttcttccc cagccatgag 300  
 tcagtttgtg cccatgaata atacacgacc tggtatttcc atgactgctt tactgtattt 360  
 ttaaggtcaa tatactgtac atttgataat aaaataatat tctcccaaaa aaaaaaaaaa 420  
 aaaaaaag 428

<210> 98  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA158132

<400> 98  
 tttttacaat tccataccac caccacatct gttctgtgct tttattttac gaaaaagcta 60  
 atggcaaatc tacatttaac taagttgaat acaaagtctt agtgaagaag gcctgggtgg 120  
 ctggtttaca aaaatggcca gtgtcatatt tgggcttaaa atttcaagaa gggcacttca 180  
 aatggctttg catttgcatt tttcagtgtc agagcgtagg aatagaccct ggcgtccact 240  
 gtgagatgtt cttcagctac cagagcatca agtctctgca gcaggtcatt cttgggtaaa 300  
 gaaatgactt ccacaaactc tccatcccct ggctttggct tcggccttgc gttttcggca 360  
 tcatctccgt taatggtgac tgtcacgatg tgtatagtag agtttgacaa gcctgggt 418

<210> 99  
 <211> 602

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA158262

<220>  
<221> unsure  
<222> (1)..(602)  
<223> n = a or c or g or t

<400> 99  
ggctcagctc aggttctgct tgccgggtgc ccagtgaagc cgacagagcc tcgagtgcct 60  
gatcactcat tgtatccttc tccaccttcc ttttcttctc ttgggggtgga gcagcacttc 120  
tgactgtccc tgctgactga gcttttaaaa cttctgtaga ttctcttttt tcagttttct 180  
ttccagcagc tgtaggcgac ccacaggtga agtcagatga caaggcgtct atagcatcat 240  
ctggccctat ggggttagcc aatagttccc tatatttttg aggaattgtg acttctcttt 300  
tacccaattc ctctatgtag gtggaactca ttggatctga aacttctggt ccagtatacg 360  
ttgtattttc ttcttcagtt tcttcaggtc ctctaaagt atctattaag tcatccaaag 420  
cagcatccat gcctgacttt ccgatgggt tatccgggtt agattcaact ggcacagctg 480  
gggttaatga tttcttttct ttttcttgt canccggctt gcagatattg cagtataacc 540  
agcaacantc tctccaccag cagaaatcat gtcttggtgg ttagtctttg ggtcnggtga 600  
tt 602

<210> 100  
<211> 392  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA159025

<400> 100  
ttgatgtcta gaaacatctt ttatttgggt aacagggtccc aaaacagggtc agttaataaa 60  
atagattcta aagaatatgt ccctatgcac agccctccct ccccaaaaat aacgctgggg 120  
gtaggcattg cctttccccc ttgggtcctc cggtgtatt taaaaaatg ttttggcagc 180  
tcagtgttta tcatctgggc atgggacacc atgtccatgt ccccatattc ctagggtaca 240  
gcagcagtag atggctgcaa caaccttccct cctaccccag cccagaaaat atttctgccc 300  
caccacagga tccgggacca aaataaagag caagcaggcc ccccttactg aggtgctggg 360  
tagggctcag tgccacatta ctgtgctttg ag 392

<210> 101  
<211> 478  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA165116

<400> 101  
tagtggtaaa ttttattgaa tgctttctcc gcactctgatt tttcttcttt aatatgatat 60  
gtttcattaa tattctgatg ttaagcctta tattcccagg ataagccctt cttgggtcata 120  
gtagaggcag tgtgtctgtg tctgtgtgtt ttgttcagta tactgctgga ttcagtttgc 180  
cagtatgttt gcctagtact tttattttag atttttttgc atgtacattc ataagaaaga 240  
ttgatctaaa attttattgt attgtccttt tccagtgttt caggacaata tcatagcctc 300  
ataaaattaa atgggtagct tcctgcacct cttacctttt ttctttttct tttcccttcc 360  
agagacatga tctcactctg tcaactcatgc tggagtacag tgctgtgatc atagctcact 420  
gcagcctgga actcctgggc tcaagcatcc tcctgccccca gccccccaag cagcaggg 478

<210> 102  
<211> 472  
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA165231

<220>

<221> unsure

<222> (1)..(472)

<223> n = a or c or g or t

<400> 102

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tttttttcat tcatcagaca ttttaatgag acccaatctg atatgacccc ttcttggggg 60
tagctcatca tccaaggaga aacaaacagt tacaatgtta caatgcaact tgctaaatat 120
tgaacagagg taattacata aagctgtgtt ccccagctg ctccctgct tgtgctgaga 180
tcaggagagc tgtaggaagg agccacaggg gtaaaggatg acccactcca gctggtggaa 240
tatgagatga gtcacatctg gaaattctaa tttggtgcag ctgccaagg caaagtggta 300
ggccttggtc acatttaact cggtaaagct ttatgaagca cctaccagtg gggtgccatg 360
gaggtggatc agattgagcc acgctgctgc cacctctgtg gagggaggct ggcattggata 420
caacttgatg actatagact cttcctctct ggnnttcagt tccctcttct ta 472
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<210> 103

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA165312

<220>

<221> unsure

<222> (1)..(476)

<223> n = a or c or g or t

<400> 103

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tcactatatt tgctcaggca aagtgggaga agcagcctta ggttttcatt cttagatgac 120
cggctttccc acctgatcgg cttagagtgc acgattgact gttttgggct tcatttcacc 180
ctctacataa caagcgggtg gactagatgc cttagcaagg gtccgtgttg tgtggtgtct 240
ccagccacgc actcagctca atcttagcac agttaaaaaa tgcctttcta gcaagttatc 300
tgcccagtgct ctgaaaaagt atcatttctt gtgttcaata aaaaagcctc ctaatttaat 360
caaggacctt tggagataac tgtcttttag ttgtggcatt gcaaggatag aaatgcagag 420
atatttttaa agtgatcctt ctgtaagagt gaaccacga tatgatctgg nagcaa 476
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<210> 104

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA165313

<220>

<221> unsure

<222> (1)..(479)

<223> n = a or c or g or t

<400> 104

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cacaagcccc caggtccata gccaaagtttt ccccggtttc ccagcagcca gtgacttctg 60
tagcattagg attcttatag tagttattgt ctacatttct cagcagattg aatatgtact 120
gcctcttact actggactgt ttattcttaa atgtgtacag tatggattta tgtcgtctat 180
atattatgca tttatttgc tcttcggttg tgatggtaag ctctggagg gcaagtcttg 240
catccactgc tttgctggca acccgactgg taagcttctg gaaggcaagg cttgcatcca 300
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gtgcttttgct ggcaaccgga ttgctaagta ccgtgtttta agcttagttc agtctcaagt 360  
gtttgcagcc acatctgaag accaataaaag caactgctgg gtttatcccn tgggagctga 420  
cagaatttcc tctcccaaata accatanaca ggaaaatcat aagcctgaat taccgggtg 479

<210> 105  
<211> 347  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA169837

<400> 105  
tttttttttt tttcagcctt gacagcaaca ccctttattc agcaccagga atacccttcg 60  
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gggacccccg gcgtagccaca cgatctagtgt gtggtgctgt ctgaactgga gccacagta 180  
accgcatgtg ccggtttttg tttctttgtc caagtttata tacacttttg ggtggccaag 240  
agctcccccg ccgccatcgc acgctatcac ccgagtctcc acctcgctca cgggctgctc 300  
tgctatcaaa tcaatggcaa agttttcatt cacctctttc tgacgac 347

<210> 106  
<211> 298  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA171939

<220>  
<221> unsure  
<222> (1)..(298)  
<223> n = a or c or g or t

<400> 106  
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tctcaggggtc accagtgtgt gaaagatcgg ggcagtgccg ccacaggggg aagcaggggtt 180  
caggctgccc cacctgggtc tggccctggc aggcgcccc tccctgggt ctgctgtggg 240  
anccgagaac aaagacatna cctgcctggc tcctgctgcc ccgggggggtc agcnagca 298

<210> 107  
<211> 420  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA172188

<220>  
<221> unsure  
<222> (1)..(420)  
<223> n = a or c or g or t

<400> 107  
atttaagaaa gaaattttac tgtgtctttc atacacaaaa gctgattaac aatgggttaa 60  
aaaacactac tccacttttt cacagggtga caaaaggaaa tataatggaa ttacattcaa 120  
caataaagct taaagttcac tctaggtaat agttgcatta acattcacat acacaagcac 180  
agagtaagta tatttcagga gtcttagcat agcatacagc atacatatgg gagattgatt 240  
tcaggtaaca tcataggtgt tagtaagatt agcaattcag agtggttatag aaaaggaaaa 300  
ctaaaccaa gagaaggtgt aggctagcac accaagacaa gtcacagaat tagtagattg 360  
aaaaatctgc tcaatgtatg agaaaacaat atttttcctc natttttggg tcntgatatn 420

<210> 108  
 <211> 596  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA173223

<220>  
 <221> unsure  
 <222> (1)..(596)  
 <223> n = a or c or g or t

<400> 108  
 tttttttttt ttcagccaaa ttcataattta ttccagtctc taacactctg ttgttatgtc 60  
 tgctgtaaga tgatcaggag ttagtatgaa gtattcttct ctacgcacca aagaaaacaa 120  
 acaaagcaaa cttcaagtca gtgaattagt taccacagtt aaaatgcatt tgattttgtc 180  
 cttttccttt ttcacaagaa cgacagctga atactctttc atgtgatgcc tgatattttt 240  
 ctttttcttt ttctctcttt tttgagacag ggtctttaag atgggggtct gctctgttgc 300  
 ccaggttgga gtgcagtggt gcaatcttgg ctcatcgcaa cctcagcctc ctgttttcaa 360  
 gtgattcttc tgactcagcc tcccaggtag ctgggattac aggcattgtgc accgtgccc 420  
 gctaattttt gtatttttag tagagatggg ggnttcacca tgttgccag gatgggtctc 480  
 aactcctgac ctgaagtgat ccaccgcct cggcctcca aaagtgtgg ggattaccgg 540  
 tgtgagccac tgtgccagct ctgatggtga aaatttcngg tacaggccta gcccan 596

<210> 109  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA180314

<400> 109  
 ttagcaaaaa cagctttttt attgtggtag tttgtggtat gtgctcctgg atcatgcaga 60  
 aaaaaggctg ggcctcagtt agctccggga gccattctta ggaccctccg gctgcacaca 120  
 gagaggggct gggtagctgg ctgggctggg gcacgcattc actgggctgg cacaggctga 180  
 ggggtctctc gccactatc attaggcccc tccagcccgt tatgctcagc ccccggtca 240  
 ggatgtcca gggcgtgccg ggtatcagcc tgccagagct gcaccaggtc cgtcggggtc 300  
 ttctctgcca ggttcttggg catcatgtca gccccatgca ggagcagcag tttgatgatt 360  
 ttgtagcggg tgagcctcac agcgtcatgc agggcagtat ccctcgtg 408

<210> 110  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA182030

<220>  
 <221> unsure  
 <222> (1)..(479)  
 <223> n = a or c or g or t

<400> 110  
 atcatcataa aaaatattta ttataaaaaa ttatcacatt tctctgtaca tagcataaag 60  
 acaaaaaacac aatgtataca ttaataaatt aagtgggcct gagtattcag tatccatcta 120  
 ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt 180  
 atcaaagttc atttgcacag ttggtgtaat tgagatacta acatttcttt tttctagtgt 240  
 tttaaagata gttcacagta tttgagttta ttaattaatc aactgattta aatctttggg 300

aaataacaagt atttacatgt aaaaatgttt agctcaaatt tcagtaaaaa actggaaatg 360  
 accaataaacc tactgccaac tgtttttgta taatccagaa atgcatgagc cggactccca 420  
 ccattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat 479

<210> 111  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA182882

<220>  
 <221> unsure  
 <222> (1)..(313)  
 <223> n = a or c or g or t

<400> 111  
 ttctggcaca tgattgagca tttattgcgg cactaacaga ggggtgctggg ggccccacca 60  
 tccttgccctc tgcccttttc acctccccct ccctcccagc ttcttctgcc tagagcggtc 120  
 cagattcccc tcacattttc ctggatcagg gccactcctc ccaggcacct cttgccctca 180  
 ccagtacctt ttgtcccttc tcctgggggt gagggctcctc agctgtgctg gnccccact 240  
 ctccaccctt agtgcccact gtctctgcca ccctcccttt ggaactcagg gggctcaggc 300  
 atcctggcct ctg 313

<210> 112  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA188981

<220>  
 <221> unsure  
 <222> (1)..(258)  
 <223> n = a or c or g or t

<400> 112  
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 tcttcattct tcagaagact taattagagt agctttcttc tcatacttat ctctaattct 120  
 tttaatattt tccgagagat cttctgacat gcattcntca tattctctat caacttttagc 180  
 aatctgctcc tcaagatgtt tctctacaga cccaacatgt gtagcaacca tctctaacag 240  
 acgttgcaag ttaatttc 258

<210> 113  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA189015

<400> 113  
 ccagtgtact atttattttcc tcaagtgcct ccattggggga aaaaataaaa gtctaataatg 60  
 ccagagaaat catcattgaa ccaataagac acagtaacat aattctagta acctacttct 120  
 caatgaacac acatctgaga aaaaaaccgc cagtatttta ttctcatgga aaaacagAAC 180  
 aaaccacaaa gttggagtca cggagataaa atacagatga aatggaaaac ggtctgttgt 240  
 catgaactct cactttcaaa taccatttta tatggaagtt actttactgc ggggcaaaaca 300  
 gaaggccatg ctggagtctc ttacttttgg aaaatggaga atcaaaaatt tgctaatacaa 360  
 caaacaaaaa aggagggaag ctccttttgg aaagctctac aaacataatt atacatt 417

<210> 114  
 <211> 506  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA189083

<400> 114  
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 tctccctgtc ccctgactct ggccaaggaa gtgaatgcaa agcagcaggg aggaggcagg 180  
 gtggggacgg ccctctgagc tctccgcgat ggctggcgtg aggtgcctct gagacttctg 240  
 ggcagccctg ccttccctac tcagtcttcc cgatcttctt gccaccttcc tgtgtgggcc 300  
 agcctcccgc cagtaactca gaggccgctc agagggcagg gttgggggtg gcaagcagcg 360  
 ggacgtgggc acagcgggta ggggggtggc gccgcagcag ggaaggccgg cgacacagct 420  
 ccccgctccg gagcacctcg ggcaggagct tgcgcttggt ctccggaagc agcataatgc 480  
 tgaagaatgc agaagagggc gcaagc 506

<210> 115  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA192553

<220>  
 <221> unsure  
 <222> (1)..(484)  
 <223> n = a or c or g or t

<400> 115  
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 tcccagaaat tccgagtcct gctacttttag gttcttgccc aggaatccac ctcttttccc 120  
 ccaagcccaa caatcctttg aggtactcat gattgagcgc gtggtggggg ggggtgggga 180  
 agaggctgca tgggggtggg gctcctgtgg cttcacgtca tccactgtca cctctggtcc 240  
 ccaagtctct ggatcctttg gtctcacctc tagacaaccg gcgggggttca aacottcttc 300  
 cctggcaact cctctctgtc ccgacaaaat ctctcccaag gcattgtcct tgtagttaga 360  
 tttacacaga gcttttgctt ttataaagtg cgttcatgcc cagcttctca cttgcatgtc 420  
 atagcacccc tggtagggtg gacaggggaag ggatggctcc ctccattttg taggaaagtn 480  
 gggg 484

<210> 116  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA193197

<220>  
 <221> unsure  
 <222> (1)..(513)  
 <223> n = a or c or g or t

<400> 116  
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 ccatttatta cacttctgaa gtaggatttc tgaagtcac ttatggcatg taattcttag 120  
 tataatgcac aggattcctg tcattttgaa gcacgaggag aggtttttga tatcttaaac 180  
 atttttttag tgtagatgca catattctcc acttccaatt gtaatagaaa atcagtttaa 240  
 ggatacccta atgatgcaaa tgaaatgatt agcaacaac tcaaatttag gagccttctt 300

tacaatccat tgagtgaaac agattcacaa aataatttgt tcaactgaag atttaattta 360  
 ttattagaaa atgggttttaa actctgatca ttacattgaa gagtcaatga ctgagggttt 420  
 cttacctact ggctcatctc ttagacaata acttcttgaa taatttcnac atgagtgtct 480  
 gtacaagctt ttaaaaaacc gaataaatta aag 513

<210> 117  
 <211> 499  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA195678

<220>  
 <221> unsure  
 <222> (1)..(499)  
 <223> n = a or c or g or t

<400> 117  
 gaaaatttgc ctcttggtta ccctgtaatg gatggggccc agaaatgaaa tatttgagaa 60  
 aaacaagtga aaagggtcaag atacaaatgt gtattaaaaa aaaaaagcct attaataggg 120  
 tttctgcgcg gtgcagggtt gtaaacctgc ntatatcttt taggattatt cctaaatgca 180  
 tcttctttat aaacttgact tgctatctca gcaagataaa ttatattaaa aaaataagaa 240  
 tcctgcagtg tttaaggaac tctttttttg taaatcacgg acacctcaat tagcaagaac 300  
 tgaggggagg gctttttcca ttgtttaatg ttttgtgatt tttagctaaa gagaggggaa 360  
 ctcatctaag taacatttgc acatgataca gcaaaaggag ttcattgcaa tactgtcttt 420  
 ggatattgtt tcagtactgg gtgtttaaag gacaaatagc tgctagaatt caggggtaaa 480  
 tgtaagtgtt cagaaaacg 499

<210> 118  
 <211> 512  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA196549

<220>  
 <221> unsure  
 <222> (1)..(512)  
 <223> n = a or c or g or t

<400> 118  
 tttaaaagta tcaataaatt ttattatgaa agataagcca tttattgacc attcactttt 60  
 ctaaaaaac acaaattgtga gaataaaata aacataccta agactnactg gccctccag 120  
 gacaggaagc agccctggac angagagcct gcaaacggag ttnccttatg nnaaatgtct 180  
 gaactttctca tacattctag gatttcatgt ttctgtacaa aggaaaggaa actgggctaga 240  
 agattcatgt acaagaaggc cacaacttta aagctatctg acgctaata cttgtacaat 300  
 ctgggttgca aactctgaga gacagtatca aataagcact gttcaaagac tactcccagc 360  
 taatccctta ctgtcatttt ctctttgaaa ttgtctttgg gactggntat gtntcactg 420  
 tagcttccgt ttatcccaca gcccacaanc cctanagtcc catgggtgcag tctccatgtt 480  
 caaggtataa aagtctgttt tcaggacaan gg 512

<210> 119  
 <211> 463  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA197112

<220>

<221> unsure  
 <222> (1)..(463)  
 <223> n = a or c or g or t

<400> 119  
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 aaaatcctga agaagggtgca aggtgagacc cagtgcgagg ggcgtgctca gatatgcagt 120  
 gtgtgtgtgt gtgtgtgtgt gtgtgtatcc gtgtgtacat gtgtgcacgt gtgtcgtatg 180  
 tgtctgtgtg tctgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtggtgg gtgcaagtgc 240  
 acgtgtggcc cacagagggt ggggagaaaag cttggctttt tacttccatc caggaggga 300  
 ggagggcgcc tggcctcca gccttgagg gtctgcagct gggcgggacc tctactcagc 360  
 caggctgttg cgcacgact ccttctcctg gagggcggcc atggcaagac gcaggtgctc 420  
 cttcagctgc tcgatctccc gctcagaccg tgtctngatg tga 463

<210> 120  
 <211> 512  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA205072

<400> 120  
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 aataaacacc atcattcctg agtccacaga taagggtccc ggagaagggg cttcccctcc 120  
 tttctcgtcg ggttgacgtt cccagcgagt gaagcctttt ctggaatgtg tgtacgcacc 180  
 ctccaccaag agttctaata agctaagctt aaagcagaac agtgaaatgg caaaactgta 240  
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 gctgtccata actgctcact tacctgctcc ttgctgacag ctcccaggat ctgggtccag 360  
 agagtggcaa aactgggaat tttgccaaagg gaaattactc aggaccgcta ataaaaacgc 420  
 cggcttctgc aacatgcata ttccccagc cccacactcc atcttgccca gggcagacca 480  
 ttcattaact atctgcgggg tgaacaaaga at 512

<210> 121  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA205376

<400> 121  
 aagatttgaa ttttttttat tatcccagca aacattacac tagagaaaat gattgggaaa 60  
 atacaaataa gttcattaaa aacacaggct gattattcat atctattaca ttcagaatta 120  
 tgcgaacaa ttagttatat tgcaaagctg taattctttt tctaacaaag catgatttta 180  
 taaaacttta atgttgccac tgattcaatt ttaatacaaa atacttatat acacaatata 240  
 atataaaagt aaactgtgta gtgccttcca caaagggata tattaaggcg ctttataaat 300  
 ataccaatat tttgacccaa attacttttt gcttttagatt aaaatgaaca ggctaaatgt 360  
 tccactttaa ataccaaagg gatggtttat taaaaatttt ttat 404

<210> 122  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA205460

<220>  
 <221> unsure  
 <222> (1)..(282)  
 <223> n = a or c or g or t

<400> 122  
gattttattg gaaatacggg tctagagcta gtggaagaag ttatatattag gagtcatcca 60  
caaagaggct tgagaaacaa atgaaaatgt attgagaagt gcatagagaa caatgttnag 120  
ggggctgtgg ggaaaaaaca acatttggaa gataactgaa ggaaatcata gaggaaaaat 180  
agtacaatct aattttttct cctaacttga aagcaaaacc acttttaata ctaaganttt 240  
attatgatct ctccatgata ctaccatttt ttcaatccca ac 282

<210> 123  
<211> 523  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA205724

<220>  
<221> unsure  
<222> (1)..(523)  
<223> n = a or c or g or t

<400> 123  
cccattgggt gacagcgttt attgaaagga aatcttgctt tatccaggaa ttcactcaca 60  
tgagggtagc tgcaaggaga atgtctcttt ctcatgacaa ccaaagcgac caaaccatac 120  
cctaaagcag agacgcaatg gaataagtca acgggcattg tagaacgaca ctccagaagca 180  
ggaaaaacca taaaagatac aggatgattg tctcttcagt attgcatttg gccatgtatg 240  
tgttttttaca taaaatatat gttttctttt taagctagct aaagaaaata ctcttgatcg 300  
gggttagttc ttaaagcaaa aaacagaaga aaagtatgta tatataatan aattaaagaa 360  
cgatagcatg ttataacctg aaaggaccgt gggcactaat ctgcactttg ttccaggtaa 420  
tccatggctc tgagagttag cacactgtca aagtcactgg ggtgagatga gccgggactt 480  
ggaaaaccct ctcttaactt tcagtctcaa ctctctccac tcc 523

<210> 124  
<211> 449  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA205947

<220>  
<221> unsure  
<222> (1)..(449)  
<223> n = a or c or g or t

<400> 124  
ttttttttta aacataacaa gttttcttat tctttattag tttaaaggaa gctagaacct 60  
aataacaata cgccacatac gggttcagaac caaacaaaag ctgcttagtt atttattttg 120  
catttgcatt ttgtaggaag tgagaaaaaa acagctctat tgggactcaa gtttattttc 180  
aattaaaatc cccataaatt aggaaatgtc ttataaaacg gagaaattgg aaaaaaatgt 240  
tattcagaaa aaaactttct tgagtgtgct tgtttctgt agcaccttgg attttgtgat 300  
cagtctttta aagatatttt ttaaaaaatt caacctctgt cttcacattt aggacagggc 360  
ataacagtgt cttgtccttt catgcaaata agaggnaaaa tttatacttg cntagtttcg 420  
agcattgaaa gcactcgccc caattctgc 449

<210> 125  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA207103

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<400> 125
acgatagtta cttttgttat gtattttacc acaattttta aaaagcaaac caaaaccaac 60
caagagtgtt tccccacac ctcaaaatca tcctgcagca gctccctggc ccagctctct 120
ctcaccctga ccctggggcc ctctcccacc acccaggggt agccctgtgg accaaccatc 180
tctgccagcc cctccccgac cctccagcca gggaggtggg gcgctggccg gtgaatgggg 240
caggccaggc ccaaaggctg gccaagggtt caccagctct ggactgggag tcccgtctga 300
ggtaggggat accaaccatg cagctctggg ttttagcttg aggatgggca cattcaagca 360
ctgacagcca gcaagcttgg gcacagggcg atgcttaacc tttaaaaaat cgggta 416
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<210> 126
<211> 437
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA211300
```

```
<220>
<221> unsure
<222> (1)..(437)
<223> n = a or c or g or t
```

```
<400> 126
tttttttttt tttttttttt acaatctgga atatataatt ttnattagtt ctcagcagtg 60
cagtaaatga acaacactta ttaataatta atttgggaga gaatagcagg aggaaaaata 120
taaacagtag ctttttgtga ccatttttaa gtagctgaca tctcagtagt tttctggaat 180
gaacaaatta aggggtgtatt gtatatagtg atttaaataa tcagctttct tatagtctta 240
tcaactgaga ttataaaaatt gtaaacacaa tttttccatg tttacatcta ctagctttca 300
tttgacacac ttaaacacata cttttccatt atgtagttaa ttcatttctt gagtgcctgc 360
ctgccattag atgccagggt cttatctaatt tttccagtta gttactgttc agcttaagtc 420
actctacttg gttggtt 437
```

```
<210> 127
<211> 587
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA211443
```

```
<220>
<221> unsure
<222> (1)..(587)
<223> n = a or c or g or t
```

```
<400> 127
catttagtca aatattttatt tgaactcata caaagttagt tgacataatt taaaagggtga 60
agaactaaaa cgcattccaa atattgacca aaatactgta ggaagtagct tgggaaactt 120
ttcatcaaaa tcgttaggca cattgccata tcattctcca taaaatcata tccctcctca 180
aaaccacacc ctccagggtg tgaattttat ggctaatttg ttctgtgagg tgccaaaaat 240
gaagataaag taagaaatac agccaactag aaggaagaga tataaatgta caaacaggcc 300
atttctgcta gagtctcagg cattcaggag gttcacaaatc atcatacaaa tatataaaat 360
tttagtgagc tattgaatcc atcttctgcc tctttatttc ttcacatcaa tctttttttc 420
ttcctactac tggtcagctt tggggacata ttttaggttc acttttaata ttctggattt 480
ccgatagatt gactgcaggn ccgggaggtt cctcgctccn ggaattggct tcttctcctc 540
atccgagggt ggaggacacc ctccctccact tcgggggaca ttctttt 587
```

```
<210> 128
<211> 348
<212> DNA
<213> Homo sapiens
```



<220>

<223> Genbank Accession No. AA211835

<400> 128

```
gttgtcacga ttttcattta gcgtttgcca aggctgccat tgcaagacac aggagcgaag 60
gggttgatct ctaatagcca aagtgtgtga caaatgagaa ttgaactgtg tcccagaaca 120
tcctcccgcc ctacacatag aaacctgggg tcacctccct gtccctcgact cactgtgtga 180
cttcaggcag aggtcaccac cctctctggg ccctttcatt ctctgctatg gactgagtgg 240
gaccagcttg gatcaaaatc ctcaaacctc atacaacact gtcagcagct tttcctgtat 300
ctgcctgtta cctgaactat taacagtttt ctttaaattg gtcctttt 348
```

<210> 129

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA214688

<400> 129

```
gtttgttttg tgggggttaca cgggggttcaa catgcgtatc gaaaagtgtt atttctgttc 60
ggggcccatc tatcctggac acggcatgat gttcgtccgc aacgattgca aggtgttcag 120
attttgcaaa tctaaatgtc ataaaaactt taaagagaag cgcaatcctc gcaaagttag 180
gtggaccaca gcattccgga aagcagctgg taaagagctt acagtggata attcatttga 240
atttgaaaaa cgtagaaatg aacctatcaa ataccagcga gagctatgga ataaaaactat 300
tgatgcgatg aagagagttg aagaaatcaa acagaagcgc caagctaatt tataatgacc 360
agtttaggaa aataagagct ca 382
```

<210> 130

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA215379

<220>

<221> unsure

<222> (1)..(477)

<223> n = a or c or g or t

<400> 130

```
actttttagt agagacaggg tcttgaaatg ctgcctaggc tggctcttaa ctcctggcct 60
caagagagcc tcctgcctct ttttttcctt ttaaaataag aactatcact gttttcttct 120
ccttcctttt tttttttttt ttttctctag caactattgc caccctggcc ccaaaagtta 180
tttatagagt acattggtag taattatact tacaatttag tccatggagt gcaggaccat 240
gaggaactat agctagataa gattgtgcc aattagaag aatagacatt ttactttcag 300
agaccatgac taaaagaata ttaacaccaa gatgctcctt ccatcagctg gatgtacctt 360
tgggcttgga aagatggcaa gtataggagt tgtactggaa cggctggatc aaataggttg 420
aaggcatttt tgtcattgta catgtgggga aaagcaacca agtaataaga cnccacn 477
```

<210> 131

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA216589

<400> 131

```
cacaaattta agtttggttt atatatttta ttgacatggg tactcaatgt ccacatcatt 60
```

```

ccatctgcat cgtcttccta caaacagttt ttcttctact attcggttat ttctcctttt 120
tttgtttcct atttcagaat caaatttatt ttacttgcaa agtcagtgga atatggtttg 180
gaaccagtag ggcctctaac ttaagcccag aacctgtcaa agagaagtgc agtatcattg 240
ctaagacttg aacagtttat ctctcagaat cttcagttcc tttgaatttc tcagctctta 300
gtgtaatctg ttttatgtgt ttgttgtaga cttccattta tgggatagat ttccaaaata 360
attttgggta atccaactgg gtatttttagc attcccgg 398

```

<210> 132

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219100

<220>

<221> unsure

<222> (1) .. (378)

<223> n = a or c or g or t

<400> 132

```

tttttttttt atgcttgaac taatttattg atgagattct catttctgta gtataaaagg 60
aaaatatattt gcagttatct cgtatttgaa agactttgcc atagagaact ttatcagaaa 120
tggatgaact tttcattatt tcttataagc atattggttt tggcctgctt gagtttaaaa 180
cttttttttg tagacntaga atgttaatat ttagataaag aaaatatattt acngaagaca 240
ttaccagaaa gtaaaataac ttgaacattt cngtatttag ncnttatcag agaataacat 300
ttatttttatt tggaaagtgt tccnaaatat gagacnatch gcnattttctc agacnaagtg 360
aaaaatttaa taaaatag 378

```

<210> 133

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219304

<220>

<221> unsure

<222> (1) .. (444)

<223> n = a or c or g or t

<400> 133

```

gcttgggcaa aagtcttcag aacaaaggct gtgagcaggt gttgccctgg ttcttgccat 60
atcgctcccc aaagggtgctg taggagccat catagtgttt gtagttcaac tgtctctggt 120
aaccagtgtt gagatagcca atggccttga cttgacctct ggagtaagct gctgtgtttc 180
atttagataa tccagtacat agatgttagg agcaaagagg accatattct gctctccaca 240
gccatagggc atctggagaa gattttgtgt gttttgcatg gcagagctac atatgtctcc 300
caaaactgag acagaagctc gggcagattc ttctaccaca tttgggtggca gtttcagggg 360
taattcttca gaaacctcan cacctgntgg acnaagtagg gagttgaatg ttgtttcctt 420
ctctagtcct tcaggttcaa ccaa 444

```

<210> 134

<211> 341

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219552

<220>

<221> unsure

<222> (1)..(341)  
 <223> n = a or c or g or t

<400> 134  
 ttttttcagtc atgatttggtt taaaagttaa attggagacn ttgccggtgg nnaacaaaat 60  
 ganggcatac aactgtcaca ggccagggcag taagtacaaa gtctagctgt aaaaaccgtt 120  
 tgaaaatata aactcgtttt tggaatacat gtgtcaaagg ctgcccatgt taataccttt 180  
 ggtataaaaac ggtaacgatt cccttgacaa acccatccat cacctgacgc acattcacat 240  
 ctcttggtaa ctactctacc tagtctagtc tcaaccaccc ctgtcagtcg cgactcactc 300  
 ctgttccttt gcaggtgcag aggagcctgg gaggtagggtc a 341

<210> 135  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA227926

<400> 135  
 atgtaaacta tcaaatgttt atttaaattt ccattttaaaa tattttcaag taaaatatgt 60  
 acaaaaatgg ttataaaatg gttgaagcaa ctagaagcgt gacaggtata atacatataa 120  
 atacaaccaa aattcaattc aatgcaaagt tgaatgacat catattgcac caaaatttat 180  
 tccatacaaaa agcacatgca tcaagagttt ccataagatg aaaacaaaca cacttacttc 240  
 atagcatctt accacttact tacacaaata gcccataaac accatctggc attgtgattg 300  
 cagtaccaga actctcccca gag 323

<210> 136  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA227936

<400> 136  
 tttttttttt tttaaaaaca gaagcgcgac catttcttta tttaaattata caaaagggtt 60  
 ggggaggggg gcagctgtgg ggctcggcac accccgggcc ccaccccggc ctggcgctgt 120  
 ctgagaagag gggatctgag ggagatccag ggatcaggca ggatagggat ggggcaggac 180  
 atgaggctgg gggatgcaga ggtaggtgg gagaggctac cggagtaaga atgaggctgg 240  
 taggggaggg agaaagagag caaagagaga gaggagcaat tgggggcccag ctggagagct 300  
 cagatggagc aggtcaggag gtggaacaat ggcagagtga gggtaggggg cgagtggtct 360  
 ggagaggcgg aaatgagaag gctggggaga aagaagaggg tggcagctct ggtgcagggc 420  
 ccagagcagg gagccagggtg aagagtggct ggactttgct gccccacc 469

<210> 137  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA228020

<400> 137  
 ctacttcgct tccgttcctt acttttgctt ctctttcgct catgactacg acttctgctc 60  
 ttgctttttt tctctttttt gctacgttct tcatggccgt tggactgctc aacttggtct 120  
 catcctaagc agggttgata gaagaacatc atgaggacga agtggtaaca tttcaagttg 180  
 tcaaagggta aagggaacag gaataagaaa atacaaaaca attttaaaac taattattta 240  
 cttatagttt aacatggaag gctataaaaag aatttagatg ggtatgtgtt taaccacttt 300  
 gttgcttaca tttaagtcac caagatac 328

<210> 138

<211> 462  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA232266

<400> 138

```

atTTTTtctac tttctttttaa tatcattttt taaagttggt aagcagctag acatcattta 60
gaagcagacg gggtaaaata gacaagaaat agcaaagaca catccttcac atcgtacaga 120
actgtattag tatccaccac caccatcaca ggggagggct agctgtcact ggggtcagga 180
gtactctcca ttattgtgca ggggaccaga cagcatttag gtgtgacgat gtcaaaactga 240
gtggacatag agagtgccgg gatcaaggct tacagttttg gctctagact tgcgtgaggg 300
ttggttactc ttaatctctt ccaggctgtg ctggatccca tagccgaagt agatagcaaa 360
gccaatcagc atccagaccc caaatcgggc ccagggtacca gctgtcatct gcatcataag 420
gtaaatattc acagagatgc tcattagtgg gagggagaggc aa 462
  
```

<210> 139

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232508

<400> 139

```

gagggtacat cgggggagag gagaggagag gagagcctct ctgtgccttg gtttccatt 60
tgtgcattca gggcctctgc aggctcacac agggagtctg aggggatagt gtttaagtga 120
gcactcaggc ttctcttgag gaaaagaaat gaccaaagtg cagactttta ttactgccat 180
tcctgctcct aatgggagca ggagtcaaaa ggaaaaacaa attaaaaggg gctaattgaga 240
aaggaggaga gatgagacag agagtgtgaa gggctatgcg cgtggcatct cataaattct 300
tattgagaat ggcacaggta ttaaaaaagt ttctgggtag tctacgagaa atgtcaatta 360
ttatctctac tacaactact tacatatatc taatgggaaa a 401
  
```

<210> 140

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233347

<400> 140

```

gctgcaaaca tgcagagatt tcatttattt tgtttggcac atgggaacta cattttgttc 60
ctattatctg tgtgtttcac tttgctgtgc agattttcat ccaatttttt tcaggggagg 120
gcatatacat ttgtagggct gtatctatcc aattctgcct gtaacaaaca cccaaacatc 180
ctaaaatatc aattataaga cagacaagtg taatgtaaaa ctctggagaa catcaaagaa 240
aaatggccat gcatctgctc tttaatgttt tcctacgata tattaaaata aaaacaaagt 300
ttcagtcctc tcacaagaag taatttatat tctctgaatt ttttcagcca caacaactgg 360
attctctttt ctgatttttg ctgcagc 387
  
```

<210> 141

<211> 182

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233545

<400> 141

```

tatgagtgga cggcagacag ctatatattag tggcgcctcg aactcaccga accgccagcg 60
tggcgctctg atcttgccca gctgccagct cccccacca ggactgtggg tctcagttt 120
  
```

09560706-0940

ctcctgccag ccccggtca tctcagggca aagctataga catggtagat ctcatcggg 180  
ag 182

<210> 142  
<211> 243  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA233854

<400> 142  
tttttttata aaaatgtgtt ttattgtttt aaaacaagtc tataaaagta gaaatcacat 60  
acaaaaatac agattactct gacatgttgg caaaatagct tatggctgga cttgagtttg 120  
gaagttctgt atgtttgagg gcatccgatg tcagagtcca accggatcct aaccccagct 180  
cttgctacta atctgtaaac aataatttca agtagtattt agcacttttt aactattaag 240  
aaa 243

<210> 143  
<211> 217  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA233935

<400> 143  
tcaaaataac ataaatcttt tattgaaagt cactttacta atgttacaat gggagtaaca 60  
tagaaaacca tggatatcta ttagcttccg aagtgaatac taataaaaact gtgccagaaa 120  
tttgaacctt aagttacagt gacctttaaa aacatcaaga ttttgtttac ctacaatgta 180  
agaacaattt tataacttga acagccataa aacaaat 217

<210> 144  
<211> 403  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA234095

<400> 144  
attaatgcaa acatatTTTT attaaagaat gaatgcattt atgctaaaga atagcttaca 60  
tatgttgtaa agcaacaagc atatcttcaa gaagtgagtc ctctcaata tgactccatg 120  
cttattctac atgcctgaaa actgggcca cacacagggg cacacgtaca cgcacacaaa 180  
cgcagatagc gacacacaga tatgcagacc gaaatgctga caccatcgct ctctagattg 240  
gattagctct catttaaggc ttcttaggtg ccgcagtgcc cctaataatta ccaggattga 300  
aaacagactt ttaggaagga gcagcattac ttcgaaaagt agtcatctgc tcttgctctc 360  
caatgtgtgt attttaacaa ataccattta attctatgtt gac 403

<210> 145  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA234634

<400> 145  
cagctcacgc gggacctggc cggcctcccg agtctcttca agcagctgcc cagcccgcgc 60  
ttcctgccgg ccgcggggac agcagactgc cggtaacgcg cgg 103

<210> 146

<211> 185  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA234831

<400> 146  
 tttttttttt ttttttttcc aatttttaaca tagaacttta ttgaaaacac agactcaaat 60  
 agagaaccat atattttaaac aacgaatagc agggtagctt acttaggtga cacagttcat 120  
 tgaaaactta atactgaaaa ataccgcaat ctggacagca agacaaatat caacaaatgt 180  
 gtttt 185

<210> 147  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA234996

<220>  
 <221> unsure  
 <222> (1)..(291)  
 <223> n = a or c or g or t

<400> 147  
 ttttttgaag cttcacacct ttattgtgtc cgggggcgtc cggggcctca ggggtgttcg 60  
 tagcccgtgg cgagagggtt cacgtggcta ttgtggaaca gagtgtggtt gccgtcccc 120  
 caggggtagg gcttgggtgcg gatcggaggg tggtggtagg gacggaactc ggggcgcggg 180  
 cggtggccag nantggagat aggtagtga aggtgcagag ggccacgctg ggcagcgcag 240  
 catcgaaggt cagcagacgc caggtacgag ctctgctcc tccgtggcct t 291

<210> 148  
 <211> 139  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA235310

<400> 148  
 tcaacaata tttattgttc atcaaagacg agccagattt tatgggcatt tgtgatggag 60  
 gctggcctta gctttaggag aaggaactcc aagagcagta gtgatctctg agatcacctt 120  
 gttcacccctc ctcggggca 139

<210> 149  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA235618

<400> 149  
 acaattttaat aatttattac attacagtgg catcacacca gcagtcaata aggccactct 60  
 agggaaaaat ctttcagtat ttccatgaca cattctgttt acaataattc ataaactggg 120  
 aaaatttcatt ctaagaaaac ttggcaaatg aaactttgga ctggaattgg catttctttc 180  
 tctgcttttc gttcccacca tttctttctt ttatactaca gtattcatat tttaaaatgt 240  
 tttaaattat ttcagaacat taagatagca gttacatttt ttaatagtta tattatttta 300  
 aaatgactct ttaaaataaa gtttttagaga aactatatta tggatagggc tgattttacat 360  
 tttcaaattt tctaaaatca gc 382

<210> 150  
 <211> 175  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA236241

<400> 150  
 tttttttttt ttttttttcg gcggtcaacg cgctttattc cgaggggctt cagatacaga 60  
 tgaccccgagc cctgcatccg cccggaagcg tccccttact cccatggggc acctcgatac 120  
 cagctgccct gccctgactc acttctcagc acccatctta cggcagtcgg ccttg 175

<210> 151  
 <211> 519  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA236286

<400> 151  
 tgctttcttt ttcttttttt ttcaataaac aaagttttct cgctttctgcc acaatagtaa 60  
 aaccatctga tcttgacaag ataatggtgt cgttgacttt gcttttttct tgtccgttg 120  
 acaaaattgg ccaagaatat aattggactg ttatgaccaa taaaaacgaa gtttaggtca 180  
 agtcttgtca ggatagcctg actaaaaaca tctggctcct taatttaaaa tagttcagac 240  
 aaccagattc ttgctgtggt ttatgttagg ttaacacgct gaactttaag aagctgtaga 300  
 ctgcagtttg ttgttatgag acctgctagc tttgaagcct ttcaatttct gtacaaagaa 360  
 tgattcgaga acttctgcac actggtaaaa tggggagtca cttggattgt agtaacgaca 420  
 gttatcaaaa attttggtca tatctgccac aaattccgtc agcttttcat aatatcgtct 480  
 ttgtactctt tcttccatgt tggcaaggct cataggttg 519

<210> 152  
 <211> 539  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA236453

<400> 152  
 agattggacc aatctgaagt gggcaattat aatgggttata ctgaagatta tataagagta 60  
 tcattgtcca gtatttaca aagaaaaaaa taataatata acctatggga tgttagtcca 120  
 ttttgtctg ctagaaggga atacttaaca ctggcaaat aatacagaaa agaggtttat 180  
 tagcctcagt tctgttggt atacaagcat gacatcaaca tctgcttaac ttctgatgag 240  
 gcctcaggaa gcttttatgc ataataaaa gcaaaggggt atcatggcaa aagacaaagc 300  
 aagaggaata tcagtttttt gtttggttgt ttttggtttt aacaaccagc ttccacatga 360  
 actaacagag aacacactaa ctgcagtgg aagaacacca atccattcat gagtaattcta 420  
 caccatgac ctaaacacct tccactagac cccgcctcca acatggggga acacatttca 480  
 acatgaggta aggcacaaaa aaccaaagca tatcacataa aaaaaacct cccaagttg 539

<210> 153  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA236455

<400> 153  
 tttttacgaa accaggttta ttaaaatttc tctacaagtc agaaacggcc atctcactgt 60

```

tcacatatat acacgtatgt acaggaagaa cctagtgttt ctagctttcc cggcagaagg 120
ccctgccagc ccagagtcct tagtcggata atgtatcaca gatacaacag tcgagcaacc 180
acgagagcgt tagtgcgaca gaggcctctg tctccctct tctcaaagtc ccatgattct 240
gtcaaggtaa tattgccaat aatcattcac atttcacgtg gttttagaca cgcagggttat 300
tcagacagac acagacaaca aaacaagcct caaagccaga acaaaaacaa acaaaaccaa 360
atcgaacata ggtataaaaag gtaaaatata tgtacaaagt a 401

```

```

<210> 154
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA236476

```

```

<220>
<221> unsure
<222> (1) .. (533)
<223> n = a or c or g or t

```

```

<400> 154
tttttttttt ttttctcatc actgagtatt tattatatat aacaaataca tgggaaagaa 60
aaaactatat tgtgtgatat aaatagttta ttacattac agaaaaaaca tcaagacaat 120
gtatactatt tcaaatatat ccatacataa tcaaatatag ctgtagtaca tgttttcatt 180
ggtgtagatt accacaaatg caaggcaaca tgtgtagatc tcttgtctta ttcttttgtc 240
tataaacttg tattgtgtag tccaagctct cggtagtcca gccactgtga aacatgctcc 300
cttttagatta acctcgtgga cgctcttgtt gtattgtctg aactgtagtg cctgtattt 360
tgcttctgtc tgtgaattct gttgcttctg gggcatttcc ttgtgatgca gaggaccacc 420
acacagatga cagcaatctg aattgttcca atcacagctg cgattaagac atactgaaat 480
cgtacaggac cgggaacaac gtataganca ctgtagtctt ttttttcaca gtg 533

```

```

<210> 155
<211> 403
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA236477

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<400> 155
tttttagttt ggttttgatt ttaaacattt tattattgaa atttcaaaca catacaaaag 60
tagaaatatt agaacaataa gtctccatga acaaaacact ccacttaaat tatcaacatg 120
ttgccaatth agtttccagc tctctttgcc aattattttt cttttgctag aatattttta 180
tccaaatgtg tctatcttca tttcatagta tgtatctcat atcatacgat cttttatttt 240
ttataatcac actgacataa tccctaacca aattaatata tgtaaatatc atttaattat 300
tagtccatgt ccacacttcc ctactgtct ccaaaatggc tttttatgtt ttgttcaaac 360
caggtccaag taatgccaac atactgaatt tagttgatat gtc 403

```

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<210> 156
<211> 308
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA236545

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<400> 156
tttttttttt taacgttttc aaaatctatt tttatttttc ttcagtatta cctgctgttc 60
ccaagtggct gggtaattcta tgggttatat tttcatttac cctcaaagct aggctgccag 120
tggaagctaa gaataacaca attaaattca agtttctcta gaaaatatga caaatcaaatt 180
tttaagaaag tgtaacttgt ggttttgctt tggttcaaga tggctgatct gagaatatca 240
aagcatttaa ttcaaactaa tagtgtgtcc tcatcctagg actagaaggt aatttttctt 300

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ttaaggag

308

<210> 157

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA236822

<400> 157

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tcactatgct gcccaagctg gtctcaaact cctggcttta attaagtgat tctcccacct 120
cattctccca aaaggctggg attacaggta tgagccacca cgcccaggct tatttttaatt 180
ttttttttaa tctaggaaca actgttaaac ctatatactt actacttgca gttccatgat 240
ggcaaatgac tgacagaaga tcatatgtca caatttgagc tggactatcc ttagcaagaa 300
atggctgaag atccaagcct tctagcggaa atgaaacatg ggtactgatt ttgggtggaaa 360
acattagttc atgtctgaat cttttaagggt ggatgcacaa atctcaggaa agttttgtac 420
tttacaaaac ttcactccat ttctcagctt tttgcatttt tcacaactgt acatattgtc 480
accttttagt tcatctctgg caaagaaggc agcaagacaa tcttgcaagg ttac 534
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<210> 158

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA237011

<400> 158

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taaagcaaatt caagactgag aacagttcca actcccatca atctccaaac agtgacaggt 120
cggcagcaac tcctttcctt tatttcttcc ccttgtaaag ggaaattcaa gttcagcagc 180
attcctttcc tgccccaagt cctcaaccag acaagaggct gcaggcacca aatcttgggc 240
tggaataatgg caaaggcctc agaagctcac ctccagctct gagcttcaac agctgtttgt 300
accagtgagt cagcattaaa tccaccagaa aagaacagca ccacccaaag actggggggc 360
agctgggcct gaagctgtag ggtaaatcag aggcaggctt ctgagtgatg agagtcctga 420
gacaataggc cacataaact tggctggatg gaacctcaca ataaggtggg c 471
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<210> 159

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA237034

<400> 159

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agcacgcgcg atgggtgggtg cactagctcc ccctccaaga tgtcacagaa aacagagcag 120
gttggaattt agaccacaat cactcccaag tgtcttcaca gttcagacag gcaaactatt 180
caaaaggcgg cctctggggc cgctctctc tttcacacac acacacactt gcaggctgtg 240
ggaatgctgt tcagccactg agcgtggctg gctcatgtca ggtactgcac cacgaggaac 300
atgaccacac aggtcagcag catcccacct atcataaagt acttgctctg gaaagcccgc 360
ttctcgatga gccgcacac tgtgttggac aagcccagca tgttggcaat ggtaaggatc 420
ttcttctgag tccccttcaa ggtcagctc tgggtcctca gtccatctaa aatattgtgg 480
ccatctaaaa tgaggtcatc catgccgttg ggacctccg gaaggaagga gttaaactgc 540
agtgaatt 548
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<210> 160

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA243416

<400> 160

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tttttttttt ttttttttta agattttcat aggggttttta attttttggt gttttttata 60
caaataactaa aaagtattct ttatataact gcttcttcca tccataaaat ttgaaagctt 120
ctctgtataa tatagcacia tggaggtggt tctgatcaaa attttactcc tattttccat 180
ttgatttagc atttaattgt atattaggat tgccccgctc gggtatgctg gtgatatcag 240
accctactac ggcttggcca gtcacatggc catgaaaaat agacttgact gaattgaaa 300
aactggactt tccagaccca actggaccca ccaaaaagaat acgaatttct gaaaccaagt 360
ctgcataggg cctatagtct ctgatgtctg ctagaagcct atttctgtgc tctctggctt 420
taattatcct ctttatgtc 439
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<210> 161

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA243698

<400> 161

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gagaatgtga gattttttaa aacaaagaca acataattca gggttaactct gttgaacagt 60
caataaactga aattcatcta cacctgaata aaacatattt aacaattgaa aaaattttta 120
acaaccacaa aaagtaaaaa ctttaaacia acatgaacag gatttgtttt tagggcacac 180
aaaggcccct gcagcagatt ccaacagtag ctttactggg gtgtcttcta cagatgagtt 240
aaagagacag gctgagctcc acacaggcaa gatgactaac agggcgacag gacagtcaca 300
cagggcggag tgccacaccc ggctataatc cccagattcc actgcagagc tggctttgtg 360
cgtaggaggc acacaaagaa aggtgattca ggcagacatt attcaaaagc tacttcgctg 420
tgtaaccatt gaataatgtt tgggaaagct ttggg 455
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<210> 162

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA243763

<400> 162

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tttttttcag agttggaaga aaatgtttat ttagcaaaaa ggtatggagt aaaattggta 60
gaatagaaag gagaaattag aagtggggaa ttctgagagg ctgtttttaa acatggtaac 120
tgggaaataa ttttgacaaa atttcatag gtaatgaagc ttcatatgcc cttactgcct 180
aattaaaagg cacctaataa ccaattttat ttgtattaat tgtattggga ataattttct 240
ctaacccttct acctttcata aggaaaaata caatccgtga acacctagat gggttctgttt 300
tcaactgtatg gcacaaagta tcaatgattt aactgtggag agtagtatca agtagaga 358
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<210> 163

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA247204

<400> 163

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agatacagag ataaacgagt acatgattat gatatgaggg tggatgattt ccttcgtcgc 60
acacaagctg ttgtcagtgg ccggagaagt agaccccgctg aaagagaccg ggaacgagag 120
cgagaccgcc cttagagataa cagacgagac agagagcgag atagaggacg tgatagagaa 180
agagaaagag agcgattatg tgatcgagac agagaccgag gggagagagg tcgatataga 240
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agataatggg cttttggaag cactgattgt ttaaagatac aaaaaatctt gtatattt 297

<210> 164

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA248555

<400> 164

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attcgttgaa ggacaccagc tgcggaatth gcggttttgg cagattgaaa tcatggcagg 60
tccagaaagt aatgcgcaat accagttcac tggattataa aaatatttca actcttatac 120
tctcacaggt agaatgaact gtgtactggc cacatatgga agcattgcat tgattgtctt 180
atattttcaag ttaaggtcca aaaaactcca gctgtgaaag cacataatgg attttaaact 240
gtctacgggt ctaacctcat ctgtaagtgc catgcctgga gaagctaata ccacctaata 300
akgtgataat tcaatttgta caataaatta tgacctggaa aa 342
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<210> 165

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA248802

<400> 165

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gcgcttttag ggaactgtct tcctccgcag cgcgaggctg ggtacagggc ctattgtctg 60
tggttgactc cgcacttttg tctgaggcct tcgggagctt tcccgaggca gttagcagaa 120
gccgcagcgc cgccccgcgc cgtctcctct gtccctgggc ccgggagaca aacttggcgt 180
cacgccctca gcggtcgcac tctcttctct gttgttgggt ccgcacgta ttcccggaat 240
cagacgggtgc ccatagatgg ccagctttcc ccgagggtcaa cgagaagaga tcgtgagatt 300
acgtactata ggtgaacttt tagctcctgc agctcctttt gacaagaaat gtggtcgtga 360
aaattggact gttgctt 377
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<210> 166

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA250850

<400> 166

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tttttttttt ttttttattt tttttttttt tagcaaagaa aaagaacttt tattttcttca 60
gtagttttcta atgcagacaa atgtgacaag gcagggagct gagctgaccc caagccgaag 120
gtcccgactc ctctcgggag cctggaggag tcccggtagc gaatagatca gatgcctcat 180
cctcgtttcac cccaaaaggc tgagaccctg gtgtgtcctc ctcgaggacc ctccctgttt 240
ctgggtgcta gaggcggttg ctgtttctgt gacagaggga tggctttggg agctccaaag 300
aacctaacca agttttttta agaaattcgg gggacgaagc aataaccgct tggccccctt 360
gaaagtttctg ttcaaacttt tttcaactgt aaaaaactgg ttaattctcaa attgtaaaaa 420
aattttttcc ccccttattt tgaaaaaatg catttttt 458
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<210> 167

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA250958

<400> 167

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cagttgcaag atttaataga gtgaaataga gtgaaaacag agctcccata caaaggggaag 60
ggacccaaa ggcgttgccg ttcgctggct cgaatgcctg ggtttatatt gcaatccttg 120
tccctcccac tgtgctcctc aggcaataga tgattggcta tttctttacc tcctgttttt 180
gcctaattag catttttagtg agctctctga ttggttgggt gtgagctaag ttgcaagccc 240
cgtgttttaa ggtggatgcg gtcaccttcc cagctagggt tagggattct taatcggcct 300
aggaaatcca gctagtcctg tctctcagtc ccctctctca acaggaaaac ccaagtgcctg 360
ttggtgaggt tggctgatga ccactctaac tgcttctctg tgaactgggg 410

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<210> 168

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251769

<400> 168

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tttttttttt tttttttttt tttttttttt ttgatagcca aaagcaattt attatagttt 60
agcctcaaaa aaataaaaat aaaaaaatta tccagtgggt atgaggagtc taggaaaacc 120
tgtcccagta atgccaaact ggaggtgaag ggctgactgg ggcagctgag aagtgggacc 180
ttctgtttgg caggcttctc ctcccttgcc tggctcatgg tttctggtga gaagagtgtt 240
cctggccttg ctggaggttc ccatggcccc gaactaacag tgtttttctg aaatttcgac 300
ctgctccgtt tgagagagta gaattccctc atcaagtcct ccacctccca ctgctcttcc 360
ttcagcctct gg 372

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<210> 169

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA252219

<400> 169

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ccagaaatat ttattgggtca ctttctgtgt gctagaaaca ttttttatac gatgataaat 60
gaacaagact gacaatttct tgcccattaa gggttacatt ctaataagcg ataaagacaa 120
caataatacc agggagctga gtaatctaata acaaagcaag acaaagccag ggtcactgga 180
agcagcagtg gtctttctga ggaagttgca gctgatcacc aacctgaatg aagtgatgta 240
atggaaaata gaagtgtttg aaggaagatt gctttagtaa ctgaggagga gagaggaaag 300
aggagaaact gcacaagtgg gtagagatgg gaaagtccat ggcctatggg gaaggtgagg 360
aagttgactt ttatttttcaa tgtgccgtg 389

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<210> 170

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA252528

<400> 170

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ttatacttat gattagtttt attataaagg atacaaatca gctccacaag ccaaggaaga 60
cacagggaaa ggtctggaag ggtcttgagc acagtgcctc catgccccct cttcgtggaa 120
ttagggcaca ctgccctgcc ggcatagcca cagcttcacc acccaggaag ctatgctgag 180
ctttagtgtc cagagttttt attagggttt catgatgtac tgattaaagc actggccaga 240
tgattaaact cagcctccag tcccccgccc cataggtcag g 281

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<210> 171

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA252802

<400> 171

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tgaaggagag aaatggacgc ggctttcgaa ctgctgtatt cttccagac ccatagatg 120
agggtccagg tgctgaaaat gaacaattac atacaggaat agaggcctac tctgcactta 180
aaaatatctt caaaaaagtt gctggtcaag gagtatgcag caatggctct tcctgttgtg 240
aacattgagt cctagtgggt gaggtgtggg ttgttactat taaaaatcct tgttgtattg 300
ggcacaagat agactgaaat tgactgtagt cctcacggtg agtctaattg cagcaacatg 360
tgaaaaaggc aggcaagagc tgagtcagga aaatagacaa gcagggtacc tt 412
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<210> 172

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA253361

<400> 172

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aaaaataaaa tgtctcttta ttaaaagata taaagaaaagt gaaaagccag ccatgtatta 60
taagaagcta ttttattgat acgagaatta acaaaagtgtt aaccattgaa tatatgaaga 120
acttctacaa atatatgaag gaaaatgtaa acaacagaga aataaaccag catctcacag 180
aagagaaaat acaaatggaa aataagcaca taaaatgttt agacttacta atattcaaaa 240
aatacaaaagt aagataaaaa taaaatacc cttttatagct tctaaattgg ccatatgaag 300
aagtctggtt gaggagaaaa taggttaaag gaactcataa gttgctgata agagtttgct 360
ttggaaaaca atttgtcatt ccttgtaaa ttgaatattt gcatacccta agacttcc 418
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<210> 173

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255480

<400> 173

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ggcgacaacc aacagcgctc cgcgcccggtt tttatttgaa ttgggagAAC cagagggcgcc 60
tgcagattct ggaggggtct cgctgcca tcgctggcag cccgagatcc tggggagggg 120
atgccatact gctagagatg agggaagaga gcccaagca ggaaaacatt gatttgctgt 180
acactcaaag ggcattctcat gccttcagtc caccgcctcc tcggggccaca gcccgtgcc 240
tcgcgcgggc tcagactagc tctggccctg ctgctgtcgc tgcaggttgt cgtcttcttc 300
ctggtggtcc tcgggcaggg gcggct 326
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<210> 174

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255966

<400> 174

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ggtggtttct taaatgattt attatcgtat tctacatgcc aactgcttta catttcccag 60
cagcaagata taggcttctt tgggcatgtt ctgacatgct tgtctgagtg aacttacacc 120
aagtaacatt ggccctcagg tcaaatttct acaattagtc ttccaacacc cattttttat 180
aatgtcacgt actcttcaag ttcctagaaa acacccccca acccccccca aaatttacat 240
atttaattac tgaattgggt tatccaacct gaatccaaga agaagccaca gctctcatgt 300
ggtctgcctc aggccttatgg gcagctgaga cagcccatga ctgttggtgc ccatctgtaa 360
gaagtagaaa ctactgggtc agtcaccacc attgaagaat actgtagctc tacaacagca 420
aatgggcatg attttgatga a 441
```

<210> 175  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA256268

<400> 175  
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 atcctacgtg atataagtat atatacaaag aaaaaaacia cattggaata ttacacagct 120  
 tgaaggtttg caaaggttat ttgtgtctta gttattttctg cacttaatga cacatcagac 180  
 gcattgagta tatttcataa gttgttgact agcaaagata caatcattag taacccaagt 240  
 cttcaaaatt cacacaaaac tttatgaagt cattcagaaa gagaaagtca atcctaaaat 300  
 taaaattggc aactatgata aataccttca aaaggatgta gatgtaatgg agatgtttta 360  
 aagtttagtt tcattaattg taaaattagc atgttatatt tactcaatat 410

<210> 176  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA256294

<400> 176  
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 caaattaaaa aaacagaaaa caggaagaaa gggaagaagg caaaggccac acgcacaggc 120  
 cggcccgctg cagcgctctg ctggacggca cttcagggca caaccacac gcgtcttttg 180  
 acttgcagac attccgcgag gcttctggcc tctcgaaggc aaagcttttc agcgatttca 240  
 ttaatatattc attacgtga gatgagatga aggcagatgc tacagaaata tgtcagttta 300  
 agccacagaa acagaacagc ttaagaaggg ctgggcgccc aagctcgtca cgaca 355

<210> 177  
 <211> 159  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA256486

<400> 177  
 aatagaaaag taccctttta ttgagaggta agacaagtat atttacaata ttcaattggt 60  
 agataatata atctgacagt gggacttttt aaagcagcag tatttcagga attacaattt 120  
 ataaggggaa aagaaaaaca ttccaaatat gtttctggt 159

<210> 178  
 <211> 196  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA257093

<400> 178  
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 ggtccccctg ggtagggag atttcagccg tgagtgtgca ggtgtgcatg cacattaggg 120  
 ggatatctat tgggatgcag agagggtgaga gcagctcttc agaagcgctg gcaaaagaag 180  
 aatgtgtatt gaaacc 196

<210> 179

[illegible]

<223> Genbank Accession No. AA258476

aagctttacac	tgagaatttta	ttggaggggct	ttgagacagc	tcatgtaatg	gaaagctott	60
aagaactagg	tttagaagggt	gcagagacca	gggcaacttc	agggatccag	gtagcaggaa	120
ggaatcggta	gcctcttttgg	tatggccact	atggttgtag	acactgtcta	cgttgtttgc	180
tgagtctttct	ggcttttcttc	cactcttctc	gctcttggac	atcagactcc	aggttcttca	240
gcctttggaa	ctcaggactt	gcaccagtgg	gcttggttqcc	aqgg		284

<213> Homo sapiens

<223> Genbank Accession No. AA258585

taaaataaagg	aaacaatact	tcatggaata	attcatgaaa	atttctctga	ctatacattt	60
tcaatttttca	tgtcaatatg	atagaaatgt	aaatggtatc	tcgatttgta	cattttctatt	120
tgacttgcaa	atTTTTgtct	ctttaaattt	tctcgtttgg	tattttttact	ctttcctaag	180
taaataatga	tataatcgca	taaggatcga	ctacatcttg	tgtcctctca	tctacttttta	240
atatcttctc	aaattatttt	acttcaaadc	tggttgatt	gatgcctgtg	agctgattgt	300
ttacattttct	ccccacatct	ctgttcaatg	acagcatgta	ggtagcttaa	aataaaccatg	360
gagtattttac	tccagggaaa	tcagaaaact	ccatagacta	gggctttccc	cgccatagag	420
cca						422

<213> Homo sapiens

<223> Genbank Accession No. AA258595

tttttttttac	tcaggatcat	gtttaattat	gtaaaaaagc	tctaaagtca	ggtaatgggt	60
ttcatgtgct	tctcttgagc	agtctgagga	gagaatagaa	acagaaaccc	cttgggctct	120
cagtagacgc	agctggccgt	gcacaggcag	aggctctggg	taagtgcagg	aagcaggggtc	180
acagccatca	gcctcgaggt	ggggatgaaa	ggagatgacc	tggtggctgc	gtgacagcca	240
cttaggact	ctgatctcag	ggggacaggc	tgacacaggc	agctgggaat	tctgggcagg	300
gacagcagg	cgttacaga					319

<213> Homo sapiens

<223> Genbank Accession No. AA261907

gcatttcaat	agaactagct	ttattttactt	atztatttat	ttaaacaata	gaaatggttt	60
aaaagcaa	gcataatgt	accaagggat	ggacatgacc	tgttacttac	aaaggagctg	120
ctgtgtcata	atggaaacag	catattaggga	gaaaaaatagt	atttcgtgtg	ctgtctgtctt	180
gagtaatacaa	tctggagatg	caagtttaacc	gaagtgcatic	tgccaagcca	tcagcgtgtg	240
aaaaaaaaaac	caccagaagt	tgccctccaga	taacgtatgta	gtggcagcat	gataactggc	300

atcaactcac ggtcttctca ttttcccat tttctataat tttcctcttc ttttcatcta 360  
 tttttttctt gaagatg 377

<210> 183  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA262107

<400> 183  
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 ataataaaca atatggattt aacaaaaacat aattcaacta taaataataa aaatgttgac 120  
 aaccccat aaacatttaa cactataaac attctaagca tacaagagta gtattctagt 180  
 tcaagtttta tcttttttca gttcaagttt tattattact ttaaaaaaat aaacaaaaaa 240  
 gctgctacag ctttaaccaat tgctttcgct ccactcaaag agcagggaaa ttttttcccc 300  
 atgccaacac acattcatga aatgggatac ttatgggcac aggtatttaa aactggaaca 360  
 atccagtctc cagacaagaa gactcctttg gtgtttttca attcaacagt ccaccgaaat 420  
 tgagtttaaa taaac 435

<210> 184  
 <211> 221  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA262349

<400> 184  
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 actggtatca tgaggaagag tgtcacacta aaatggagtc caagctttta tcgatgcaat 120  
 tgctttataa tataaaagaa aaaatcaaac aaactagcat attagaacca cttttggtta 180  
 tttgtaagga gctgaagact gctgatatca cacatcccat g 221

<210> 185  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA262477

<400> 185  
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 ggttctcctt aaacaatttt aatgtctggg ttggggaagc aggtagagcg cgtagaggca 180  
 gctgctagag gctggttgct gactccaggc cgcgttccag gaaatatcgg tgggaagaac 240  
 ggggacgggc ttgggaccct tcattgagga agtaggatgt gatcttctg agtccctcct 300  
 gattctcgga tgctgagtcc tcccatataa catcttc 337

<210> 186  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA262969

<400> 186  
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tgctgcttct tgggtggcgc cttgctggcg aggtccttgg ctttctctgt agctgccagt 180  
gccgtctcct ttgccttctc cttggcttcc ttggctgtct caacaagtgt tttggaaggg 240  
gcctcgccctt gcagcttagc caagatatat tcaaaaccct t 281

<210> 187  
<211> 364  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA278757

<400> 187  
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ttctccccc tccacctccc caagcccctg cccaggtat gtacaataaa taagattaaa 180  
aataattaac aagatgcgtt tccccctccc acccgacgcc aaatgccctg cggaggggaat 240  
ggccttttagc aaagatcttg gcctgcaggg gggacttggg gggaaggggt cccccagctc 300  
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gtgg 364

<210> 188  
<211> 181  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA278767

<400> 188  
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gacactacta catattaggg agcatctatg caaataaaag gaaacatcaa attcattaaa 120  
atgtttacct atgaggtagg ggtaagaggt tagatatggg agtaaggact ggagattaaa 180  
a 181

<210> 189  
<211> 463  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA278887

<400> 189  
gctggattta gaaatgctag gtggccagtt ctggctttca tggtcattgc tgaaaagtct 60  
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atatttcac tttggtgttc ttcagtatca ctaggacagg tcttagaatc agtttccttt 180  
tatgcattct cgtttggcac ttgttgggct tctgaatctg tggattacta ttatcgatta 240  
gttttggaag gttctgtctt tctctcttct ccttctggga ctctgattaa atgtgtgttg 300  
gattttctcc tacaggattt tttctctttt gtatctttca tttcgctctc tgtgatgcat 360  
tccaggtaac tcaccttaac ctaccttcta gttaggtcag caaactacag cgcagggggc 420  
aatccagct cactgcctgt ttttgtaaac aaagctttac tga 463

<210> 190  
<211> 170  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA279028

<400> 190

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cagaacttat acatctagaa tattcatcag aaaattactc agaattattca ctagaaattg 120  
ttgtgtcaaa agtaaaataa tcactttcac ttggtcttta atacttagtt 170

<210> 191  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA279313

<400> 191  
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ctttattctt gttggtttgc tttgaatccg ctccgtgtaa agtcagctaa ctctctcggg 180  
cacgggcgtc cggctgtcca aaggctcctc tctgtttggc cttggaatgg aggatgaaac 240  
aatgtctttg ggctctccct cccctcgggtg tttgtacttt tctggggccg ttgcgggggtg 300  
gcaaccgggg gctgagtcct aaccgggtcc ttggggcaac cgtcgctctc cagtgaagct 360  
tctctgggca acttctcctc tttggaaaag ctggtgctca agtcctgggg ccagggggg 419

<210> 192  
<211> 513  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA279757

<400> 192  
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agccctcaca ttctcttgat ggaaaaaagt tttgtcaacg atattttcaa tctgctttgc 180  
ttttttattt ctgcctagct gcatttttat ttcatactg ttcattttgt tctctaggag 240  
tcgctgggtg tgatgtgtaa aagttacagg atctcttcca ggaggaggat ggcagtacag 300  
cagcttacca ctgacatagt ccttcaggat gtacgcgcga gatcgaggct ggtctggctg 360  
tccatgcgct gtcataatc ctgcgatgta tccataagct gtcaacagtt cttccgatgt 420  
tggaggctcg tggggatctt catcctctct aggcgttatg atgttaatgc cataggtagc 480  
ttctaaaaca tgtcttgtaa tattctggca aac 513

<210> 193  
<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA279760

<400> 193  
ttgataaact gaacatagta tttattgagg tcaggatgca tgaatagact cttctcaaca 60  
gaaagataat tcaacagcaa tcaatttaca gaatttagaa cagcactaca tttcagcaaa 120  
atgcaactag agaacatcag ataaattata gtaatttggt tttaaaaatc cattaaacta 180  
tctcttacct ctgcaataat gtatcatata tgcagttaca gaagtttagta gggaaaagca 240  
tgatcttcct tcccta 256

<210> 194  
<211> 363  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA279774

<220>  
 <221> unsure  
 <222> (1)..(363)  
 <223> n = a or c or g or t

<400> 194  
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 ctatccctct ctttctcagc ttccttagcg gactgctttt ctttctgtctc ccaaccactg 180  
 cctgagtgag ctgattccca tgcaatttaa tgtcattttt atgctgatgt gactgagcat 240  
 aaaatttgta tgactagtcc agatctcttt aaattccaga ctcacatttc tgactctatg 300  
 ccacctccac ttagttgtct cacagacatt tcaaactgaa tatgtcctaa ataaaactct 360  
 gaa 363

<210> 195  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA279821

<400> 195  
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 ctatcaggaa ataaaactaa aaatgggtgc attgagtaaa aacaaaacaa atggggagaa 180  
 aaaaattctc cgggtaaagc gcatttctgg tattctatat atatttttcc ttaaactgtc 240  
 accttttctc tacattttta aagacacccg gagttgctct caataagcac atcacttaac 300  
 acttggccag ttgggtgggg tgccatgttc tgaagtg 337

<210> 196  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA280297

<400> 196  
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 ttaaaccctg caaccctctg tcaacttctt tccacatcaa gaggccatga gatacagtaa 120  
 tggcctctta agagtcatgc cacataaaga tgatgacttt gatgtcctgg cctgcctcct 180  
 gtaacaatgt gaggctgttt tgggtacatg ctgtaataac aacaggacta tcacagggaac 240  
 aatgaagcag agaagcagaa ggtgcctaca aagttttacc taaatgtctt gtttgtcagg 300  
 atggag 306

<210> 197  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA280309

<400> 197  
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 caacctccac ttcccaggtt caagcgattc tctgcctca gcctcccgag tagctgggat 120  
 tacaggcatg caccactagt ctgcgcagct ttttaattaga attttagaat tagaggaggg 180  
 ctagaactct gccctcattt ttcagtggag aaactgccca agacaggaca aatacttacc 240  
 ctaatgctta gcctggctcc agtgaaatta gctccccagc caaagctgag ctggatggaa 300  
 ctaacaagga cac 313

ttaaaaagaa tccaccgcac gaaaggtaaa caaagcagac cctcagaaac tccctggcaa 120  
 ggaagaaccc ctccccagat tggcccagtt tcaccagcaa ctgggtctcag ctcagcctta 180  
 tgcctttcca ctgacacccc ccaccctcc acattctcga tgattcagac caggaacttc 240  
 tcggctgatt gtgtccg 257

<210> 202  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA281591

<400> 202  
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 cggaaagtga aacttacaaa aaaagtgtgtg gtaacattta aaaaaaaaaac aacaaaaacc 120  
 ccaaaaaaaaaac aaacatcatt ctttagcaaca tcaattactc ttccacacaa aacagaaacc 180  
 ttgtaaaatt tattttcgtg tttttaaggc gtaatacttc cgtataaagt atatgcaaga 240  
 gataaaactt cacagtattc caaaatgtca caataataat aataatataa tagtataatg 300  
 aagcgctaca gttaatTTTT ctttttttga atgttttttt tctgttttaa ataacaaata 360  
 caagt 365

<210> 203  
 <211> 369  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA281599

<400> 203  
 gaaaaggcat acaaatttat taaggtagag ggctgaggac cacagaatat taccccaacc 60  
 cccagtggt tacagaagct tatatactct ttctcagagg caaaagagga gatgggtaat 120  
 gtagacaatt ctttgaggaa cagtaaatga ttattagaga gaaggaatgg accaaggaga 180  
 cagaaattaa cttgtaaatg attctctttg gaatctgaat gagatcaaga ggccagcttt 240  
 agcttggtga aaagtccatc taggtatggg tgcattctcg tcttcttttc tgcagtagat 300  
 aatgaggtaa ccgaaggcaa ttgtgcttct tttgataaga agctttcttg gtcatatcag 360  
 gaaattcca 369

<210> 204  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA282247

<400> 204  
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 gagcagttat agaacagaac ttcttatatt tctttattta caccacactc tgaaaaaaaa 120  
 aaccagttc tatttgatta actatgaata gcaaagtttt gtgacttggt actcacttaa 180  
 atcaccatc tgaaattcat ttacaagggt tttacattaa taaaacagta gtgtggtaca 240  
 tgtattggac tcagatgaag tctaaagtac actggactct agagagtgga ttacatacca 300  
 acgaccaaga ttcaagtgtt tggggaaaaa aataccttag acagtctatg ttggcgtaaa 360  
 cactaaaata aaagg 375

<210> 205  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA282739

<400> 205

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tttttttttt aaatttttta atttagaaat ttattctgtt taatccacaa gctttatata 60
gcttttagttt aaaaaaaatc aaaacaaaaa aaaaaatcaa aacaaaaaca gtgaaaccaa 120
gacactattc caaagtctgg gcccttccag ccttccaaat acaagaggct ctgaaagtgt 180
tatataccaa ttggacgcac aagacaaaaa tatgaacaga gccatgacat ttcattaaac 240
aaattgtatg taactgaagg atcctttt                                     267
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<210> 206

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283091

<400> 206

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acatttcttt aaataatatt taatcaatga atcacaaata tttaacctgt cattatgtca 60
ccccgctgga caataatgga gagagtggg tatcactgct gtcttataac ttttaacccc 120
acaaacttta tttgcatccc cattaaagga caaggccatg ctccatttct gatctgttcc 180
tggtgctact agaaactgag gctttcagac agatctgtgc agtgatgaga aggacaactt 240
tttgaaatgt ggagaaaaaa atatgacatc ttttaatgtc aggcttctta tctgagcaaa 300
aaaacatgta tcatcttttc tttttgtcag tgtgacagct ggatgaca                                     348
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<210> 207

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283772

<400> 207

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tattaaattt gaaagtcttc tgttccagac caaaatgggg taggctaatt cctgtcatc 120
caagcaacta aaaggtaaaa accttataac tttaaaataa aaaagggttat ttttttcccc 180
tataaaagac aggcagtatg agttaatata ttaaaattat tttgtacatc cctgctccaa 240
acaaccacaa aaatgggtact ttttaaattgc ctgcccaccc tctcctggaa ggggggtttt 300
ccaagattcg gggtgactga ttcattccac agccccaggc agcagtttat cctggaactg 360
tcctctgttc tcccatcact gctgagccct gagaattgt                                     399
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<210> 208

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283774

<400> 208

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gcagcagga gcagggcctg actgcgcagg tcctggatgc ctcacccctt agtttcaaca 120
ccagattgaa atgggttgcc atctgcttcg tatgtggcgt tttcttttct attcttgga 180
ctggattgct gtggcttccg ggcggcataa agctttttgc agtggtttat accctcggca 240
atcttgctgc gttagcagta catgcttttt aatgggacct gtgaagcaac tgaagaaaat 300
gtttgaagca acaagattgc ttgcaacaat tggtatgctt ttgtgtttca tatttaccct 360
gtgtgctgct ctttggtggc ataagaaggg actggctgtg ttattccgca tattgcagtt 420
cttgtc                                     426
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<210> 209

<211> 265

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283907

<400> 209

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cattttttgtc atttattaac ctggaagcaa atatgacaaa acagtcatac tagtaagtca 60
tctgaatttt tttaatctct taataaaaca accaaatccc acgcaaatac gtccacaagg 120
gaggccccc cctccactag tgcaggggtga ctgagtgtac aactacgggc caacccccgc 180
ctctcaaccg gaaggagggg cactcaaaag aggaatttag agaaaaggcg gagagggcgg 240
acctcgggaa aggggtctggg cggga 265
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<210> 210

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284153

<400> 210

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tgcacaaaaa agagcagtaa aataaatact cagaactttc ccaggttgtc aactattaaa 60
ataaaacctc agcatttcaa aaaagcttat tccgctgcag gaaagaagggt ggacattttt 120
ggtaccataa taaatcacac actcacacat ccatattgct taggttgaag agaacggaat 180
gaacagagga aatttcttcc atgaattgcc ctcttttcgg taccgcccat gtttttagtta 240
cc 242
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<210> 211

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284777

<400> 211

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ctcaaagctt aagagtaaca gtctagagcc aagggttggga gtggggggcca ggcctcacac 120
agagcccagc ttgaggcccc tgagcccac cctcctttcc agagggagggt aggagacagc 180
tgagggggcc ctgaatcagt cctctccctc gtccccaagg ccagctgtgc caggcccctg 240
gagggaaca gctcatgcgg aggactgggg ggggaagcaa acaggtagga aacggaaatg 300
aggttaacaa ttacaccatc accccc 326
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<210> 212

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284879

<400> 212

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attcccaaac atacaatgaa ccccaaataa aacaaaacca aattgcacta ttacaaagga 120
acaagtccat gaaagtagag aggaggcgcc agttaaggga cagcaacttc aaggagacgg 180
ttgtttttttc gtttacatgt tgggacactc ccatttttct ggtttccctg aataaacttc 240
acacatactt tgtccggtct gaacagggtcc agggctccac cggaaactcc aatattgagc 300
ctccggttg gtttggccta aaatttttgc ggaagaacct ggggtgggcca tttcaaacca 360
agtggatccc tcctgaaaag aaaagttccc ttactaactg cttctgagcc ctctttaag 420
tggacggc 428
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<210> 213  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA284920

<400> 213  
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 ccgtccccac cccccctcc accgctgggc ccatcagtgt gtgttgggg gatgactgca 180  
 gctgggggtg aggagacaac aaacctcggg aactggagcc agagctgcgg cctgactgac 240  
 gccttttgat gctcacggga aatttctgcc caggatctca gcccagggt ggttgtttct 300  
 acaaattctct ctcaaattga ttattttggg gacaaaaatg aaggagcttt gttaaattttt 360  
 ttaaaattat gaatcatatc aagtagttgt ttacatttct tgaaaaata ggaactcggg 420  
 cagca 425

<210> 214  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA286862

<400> 214  
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 ctgagtctct gtctctagat atgcaagttc ctggtacagc tcagcatgga tttcagctcc 120  
 tactacaacc gggtagacat cctgggggtg agcacacagc aaaacggggg gggacgtgca 180  
 gagaggtata gggtaaaggc aaaggaagca gaggatgaga ccagcaggcc ctttctcttt 240  
 caggagcctc gaccacacct ctttggtcag atgttcgtcc gcctgcagct tctgagagct 300  
 gt 302

<210> 215  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA287107

<400> 215  
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 cagctttaat ttttaacatt ataacattta ctggctcctc tgggtgacta aatatcttca 120  
 catgcccact agctaaaaag aatttctaag tagaactcaa ctgaaactgc aagctactgc 180  
 tctaagaaat gcatacttat gtttatttgc tctcctatat aatcctgttt acaaatagca 240  
 taactgcaaa gatttatatg taatttctaa atccttcagg ttgctctacc attcatcttc 300  
 ttatgtcttg caagataaac actcttagtg aacactttgc tgcattctct aaatgagatt 360  
 tgtctccagt ttatttccta ta 382

<210> 216  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA287389

<400> 216  
 caaaataatt aaccttttta attttttaaa ggaaaaatac tctccatagg aaggcatttc 60  
 tattttttgt ccatcagtag ccaaatggaa cttgatataa acatttccag tatgccaa 120

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ttgggtttaat gcacaacttt gaaaataact cattaataaca cacatcaaga tgctactaac 180
aaatttcatta atatccaaga ttcattactg tatgtcaaag gtcattccagg attaacattt 240
tcattacaat gaactgtgaa attccaatga aaaatgtttg cctgaattaa attattttaat 300
ctctcaaatt ggaagtctag cactcttgaa aatcaaattc acacacacac agacacacac 360
acacacactt acaaactgca cattaggaca tgaggggcaat ttaat 405

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<210> 217
<211> 478
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA287832

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<220>
<221> unsure
<222> (1)..(478)
<223> n = a or c or g or t

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<400> 217
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taacttaagt acagaaaaga gttagtacac cacaagcatt ttctacactt ttattttgtg 180
gtgattgtga gacaaacaca gtccaaacaa tagacttctt gtccctcccc tcccaacaac 240
tatctgactc catagctcat gcaccccaat tacagcagggt gtcgggctgg cataaaggct 300
tcttaccagg attccagttt atccttctca atccttttct catctctaac aaaaatgcc 360
cacatacatg tagttgtgag aggcacaaagtc ttcttttacac tcaccaccag gngggcgat 420
gggagcacaa aagcctcaca aaactgctcc aggatcctgc ctcttccagg gccggaat 478

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<210> 218
<211> 475
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA287870

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<400> 218
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cagtctccta catttttccc actgccatgg ggtcctgggc gtccggggccc ccaatattca 120
cgcactcgca ccacgcactc atattccctc accccaccat cacggcccca aagaaggctt 180
tccctctcgc gaagtccacc atatcggggg gactgatgtt gacgtacacc ctctcgcccc 240
tccggagctg caccaggccg ccgaacccca cgctcgtgta ccagagaggc ccgtaccctt 300
gtctcctggc cgggtccagc actggagtc cgtctcggc gccctcgagc agcagctcgg 360
gagtgcgccg cccgtagcgc ccccgtggg gacaaagaca gtttggtggg gggaatcctg 420
ggggccagca cccccctcca ttggccacac ctgctgctgc cagggcagtg gagta 475

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<210> 219
<211> 216
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA291676

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<400> 219
ttacttacac ctttctatct tttatttttt acatcaaaca ggtaaatgtga tgatgctgta 60
acaagggttg aggggaagcat atctgacaca tgagcatgaa accaaatcac catgcttatg 120
gactacaaaa ggacctaagc cttttaaact agactgtctc aactgtgcat taattatgta 180
tttagatata ggatatgtgc ttgggaaaaat gtataa 216

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<210> 220

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<211> 346  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA291970

<400> 220  
 ttgttttttt tttgtctttt ttttttcttt tccatttcgt tgaaatattt acagcaatgg 60  
 ggaaggagga ggagagagga aggagtaaga gggcccccta gggaaagatc caagcccagg 120  
 acccactccc caggagatc cagacccaaa atctgctccc cagatagccg agcccacagg 180  
 actgggaact gcccaaatat ggccaccctt gtgggctggg ggcctgcgg ggaagtgtg 240  
 cttcatcagg agtcgcccc aaggaggggg tcattgggtg cactgggagg cagagggggc 300  
 aggtttgctt gcggggcagg gaccaagagc aaggggaaag gagctt 346

<210> 221  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA292328

<400> 221  
 atagagacag ggtcttacta tgttgcccag gctgggtattg acctcctggc ctcaaacgat 60  
 cctcctgcct tggcctccca aagtgtctgg attacaagca taagccactg caccggccg 120  
 agaggggttt ggaatgaagg tagaggcagg gggatgaagg cgccagagct gaagaccagc 180  
 ccccaagaagc cacaccctg cccttctagc agctacgggt cctctggctc cgggccttgt 240  
 aaacctcgat gagcaggctc ttgacgtact ggatctcgcg ctccacggac tctgcccgtt 300  
 ccttcagctc gcgattccgt gctccagcc cctggaactc gaccctccag ggccctaccc 360  
 tctgcccgtt tccgtggcg gtacctcaga gccgccgact tgttctggct tctctacttt 420  
 tgcttgccgt c 431

<210> 222  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA292533

<400> 222  
 ctcaattaaa gatttgattt attcaagtat gtgaaaacat tctacaatgg aaactcttat 60  
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 ttgaaatgcc attgatagtt taaaaactct acaccgatg gagaatcgag gaagacaatt 180  
 taatgtttca tctgaatcca gaggtgcatc aaattaaatg acagctccac ttggcaaata 240  
 atagctgtta cttgatggta tccaagaaga aatgggttgt gatggataaa ttcagaaatg 300  
 cttccccaaa ggtgggtggt ttttaaaa 328

<210> 223  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA293187

<400> 223  
 atggtacaaa aatagtttat tacaaaagaa atccaaccaa aatgcttaat aatttacatc 60  
 gtgatccgtg cccgttacgg cccacctctc cctcctcag ttatctggta gagagtggag 120  
 gggagtggct gttccctggg tccaccagct ctgggagggg acatggaaat ggaagatgtg 180  
 ggtggcattc cggacagga ctggtgcctg agaatgctgg ggtcagagtc ctgggaggga 240

gcgagatggg ggaacatctg tgctcagaag aggggggtgta tgggtaggtg catgtgcttc 300  
tgtgcaaata ctggtccc 318

<210> 224  
<211> 424  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA293489

<400> 224  
tttttttccg tagtccaaag gctttattgt tctgctgaaa tgcttacaaa tactgaaaac 60  
ccccagcctg ggcccaggca accaagggtc caatgctggg aaggagagca ggggaggtgg 120  
gcttagtggt aaggcgtgaa gggcgaggcc agacagctgg aggcctgggc ctccactctc 180  
catttccatc acccttcgga ggctgaagga agggcggcgg caccacaggg cccttcccct 240  
ctgctgcata atctcctgct caggctttct ctctaggcgc attggaggaa tcctctttcc 300  
ctgtcggaaa ctcaacactg tacagaactc caaccataac ccttctagct tcctctccca 360  
actgcatcgc tcctcctctg ttccatagat ccccggtt catcccttct ggctctaagc 420  
aagg 424

<210> 225  
<211> 551  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA293544

<400> 225  
ttgtagagat ggagtcgcgc tacgtggccc atgctgatct cgaactcctg agatccaatg 60  
atcctccac ctggcctcc ccttctgcat atagtaggtg ctcaataaag accaaccaga 120  
tgcaggagt gatgacttca ttgctcggga ctttgttgct tgggtgaccg tgaccttcag 180  
gccccggcac cctaggccag gacgctgtcg atccaggccg catagctcgc cagcggggtg 240  
tagatcccgg gcttcttgcg gttgccgcaa acgcgcgcag ccgaggtgac cagccctcg 300  
agcacgcccc gcacaccag caggccccgc ggagtcaccc attgcagctg tcccggcgat 360  
tgctctccgc gcacatcaag cgctcgggtg tggcgccgct gtggtgcgtg cgccggttgc 420  
aggtggcgcg gtccagcact ggcaagagca cgtgctgcag gctgtccggg ctgcggccgg 480  
ttggttgact atgcccaagc ggccacgtcg caatagttcc cggttcacgt cgcggtccac 540  
gcctgccagg g 551

<210> 226  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA298981

<220>  
<221> unsure  
<222> (1)..(340)  
<223> n = a or c or g or t

<400> 226  
attcggcacg agtttcaaag aaaatagatt aggtttgcgg ggggtctgagt ctatgttcaa 60  
agactgtgaa cagcttgctg tcacttcttc acctcttcca ctcttctct cactgtgtta 120  
ctgctttgca aagaccggg agctggcggg gaacctggg agtagctagt ttgctttttn 180  
cgtacacaga gaaggctatg taaacaaacc acagcaggat cgaaggggtt ttagagaatg 240  
tgtttcaaaa ccatgcctgg tattttcaac cataaaagaa gtttcagttg tccttaaatt 300  
tgtataacgg tttaattctg tcttggtcat ttgagtattt 340

<210> 227  
 <211> 535  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA308998

<400> 227  
 aggctctact tcaggtgctg ctataatgcc tcatctaatac aggactaaat tgtgtaggaa 60  
 actgcagtgga gaagaatatg ctttctgctc aggctaagag ggtcactgat ctgtccttag 120  
 aaattcagag taacatgagc aaaacctcag ctaaaaccca ttttaagtggc atggattgtg 180  
 catgatcttt gataagaatt cctcatgtac ttgtgcctag tttttcaagg tattggctgt 240  
 tctatagatg cagtgtattgt cccagctagc tctgttacca gccttttggg gtgtctttat 300  
 gttcatttgg agagtcaggg cgaaagacag gtgatgtagc acttctgttt ttaataatta 360  
 ttgcttaaaa tacctattaa tagttttggg tcatttaaag ggacttgagg aagctaccca 420  
 ggattacaga agagtgtcca cctaacaaga tgggtctggca gtttcctagt tttgtatctg 480  
 gttcaataga aatatgtgaa agtggtaatg tcatcatttg atgcagagtc cggggg 535

<210> 228  
 <211> 324  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA312946

<220>  
 <221> unsure  
 <222> (1)..(324)  
 <223> n = a or c or g or t

<400> 228  
 gaagttaaag gncactttat tnactgacag attgaaaact gtaactccag gnagtgcaaa 60  
 atgcaccaca acccaattac aaagaacagg tggttaacaca caatgtttta acaatgctac 120  
 actcattttt ggcaaagtgc tgtattgttc agtctgtgta caaaactgac catctatgan 180  
 ccaatcagta taaaaaattt ctataaaanc aaaatttagn cagtgggtca agaaaacaag 240  
 ctgccattta tgcatagnnt gatgtacagn aacctaacca aatgtccctt ttgaattttc 300  
 aagttactga aaaaaaatgt gtcg 324

<210> 229  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA316686

<400> 229  
 gggatgtgga gctggagttg gagactgaga ccagtggacc agagcggcct ccggagaagc 60  
 cacggaaaca tgacagcggg gcggcggact tggagcgggt caccgactat gcagaggaga 120  
 aggagatcca gagttccaat ctggagacgg ccatgtctgt gattggagac agaaggtccc 180  
 gggagcagaa agccaaacag gagcgggaga aagaactggc aaaagtcact atcaagaagg 240  
 aagatctgga gctaataatg actgagatgg agatatctcg agcagcagca gaacgcagtt 300  
 tgcgggaaca catgggcaac gtggttagagg cgcttattgc cctaaccaac tgatgcgtgc 360  
 tttctcaaat atacctactg gattaattta tggcaataaa attttttttt gtctttttca 420  
 gttttatc 428

<210> 230  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA328993

<220>  
<221> unsure  
<222> (1)..(160)  
<223> n = a or c or g or t

<400> 230  
gcttttagagc agttatggga gttatagatt ataacatatt agtgatttgt gaaacttttt 60  
tactaaaatg tgaccctcat tttncctttac atgaaagaac atagaatatt tcacaatgca 120  
tcccacgtgg taagaataaa aaattgtttt agttatatgt 160

<210> 231  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA342337

<220>  
<221> unsure  
<222> (1)..(359)  
<223> n = a or c or g or t

<400> 231  
agagataacc agtttatttt ggggagcaaa gagaaagggt ccctaaccac agactgcctg 60  
cgaagagggtg aaatggaatt gaatgggatt atggtcagcc aaggcttcct agtggagctg 120  
ctacctganc tgagttttta gaggggtagg aaagaaaaaa tgtagtgggt cataatggca 180  
ttccagatac aggggacaca aacagctctg tgtttatgaa ctacaaccag ttgttgactt 240  
ttgtttcaag tggctcccct tccccagtgc tgtgtggacg atggactgaa gaggagaagg 300  
ctgggagcaa gggaccagta agctgttgca gcagtgcagg tgagatatga ggcctcaac 359

<210> 232  
<211> 354  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA342918

<400> 232  
accataattg acttttttatt taaaaaatta cacggagcaa tttccagctt atcttttttt 60  
ataaaaagtac tgcctatatc aaacatttta tatcacgtta attccattga agagctgcct 120  
ttttctgtta aggtactgat tccaattgat gggatacatg cccttaatac agaaagtttc 180  
cattattttat tcaaatatca aaattaagat tattgagaag tttattgctt tatggctggg 240  
caagatgcta ctagcacatt ttaggtaaat aatattcttt attaaaaact atgagggtca 300  
ttctgtttta aactttttcaa gataattcac ggggaaacag gtatatctat tcaa 354

<210> 233  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA347359

<220>  
<221> unsure  
<222> (1)..(346)

<223> n = a or c or g or t

<400> 233

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gtgttgcaaa gcctttaatt agaatgtttg tatttttttac atcatgcata acttcacatt 60
tgtgattaat tagtaattat ttcaatactt gtaagcncat ctgcctcaga tttaatcata 120
atacatgaat taaattaatc aaattaagga acagcaattt agaaagaaac acactttaag 180
aaatcaaaat tctcaattca ggcagtctgt ttctatcatt tggatttcta ctcctttaaa 240
aatttcatat tgcccaacaa aaagtgggta tttttactgt ttttggagat gactgaacag 300
atgaagggca tcagatgcct tcatcagctg ggtattttgc ctaaga 346
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<210> 234

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA347578

<220>

<221> unsure

<222> (1) .. (347)

<223> n = a or c or g or t

<400> 234

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gataatttag aaatttatta caaaactttt aataaaaaat acaatgatat tacaaatttg 60
gttttncaaa gctttcaaat ttttctnaac attatctntc gttttaagan cacttttgaa 120
gtcggcagtn attttaaate cttactagaa aaaaaaccaa agcccaagggn ttttgcattt 180
agncatcatc taggtataca gcgtgttttc cgaaagcatc ctttaagagt ttggagattt 240
gatgaaattg ctcagtgaat aagcagttag tgaatactat tgaatocnaa acccagataa 300
gtcatcttgg gctggctgtg tttttcatgt gaaggaaaact catttta 347
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<210> 235

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA348446

<220>

<221> unsure

<222> (1) .. (174)

<223> n = a or c or g or t

<400> 235

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aaancaccat ggcatttttaa taggtaaatg ataaggnagg gatggaacaa aagaccacaa 60
ggtttgctct agatgtaatc attgagatag ataccagaac tgccaacact ggtgtgttgt 120
gttggcaact caaatagcag caggaggatt tccatagatg gtgtttttcca aagt 174
```

<210> 236

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA349417

<220>

<221> unsure

<222> (1) .. (351)

<223> n = a or c or g or t

<400> 236  
 agtgtacaag agtttattta atgatatctg anttttagttc tatcatgtgg ggcccacggt 60  
 acaagtncca tctgggtcca ttacaactct aaccaacccc ccaccncccc ccaaaaaaaaa 120  
 ggaaagaaag aaaatccaca actttttcca tgtcattaaa tatattcata tataataacc 180  
 ataatatatt agtatgcatt ggaaagggac attgacccaa acaatacgtc atggtcacaa 240  
 ctaaacattt acaatttctga gtgaacagaa atccaaaaca caggagggggg cagagggagg 300  
 aggggaagtg catttgggag gagggaatgg gnagnaacgt ccaatgacag g 351

<210> 237

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA350265

<220>

<221> unsure

<222> (1)..(196)

<223> n = a or c or g or t

<400> 237  
 caatagcaga cttttaatca atgccagaga caaagtgagg ccgagctaag aacacgctca 60  
 gctncgttac aatgaagaaa tggtttcctt tcgatgcaaa gtataattgt aaaccacagt 120  
 gctcgcacag ttcacgnctg nttaaagnga aatcttagcc atacatcacc taaaagtaat 180  
 taaaaagtca acacag 196

<210> 238

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA358038

<220>

<221> unsure

<222> (1)..(286)

<223> n = a or c or g or t

<400> 238  
 cagggttattt ctctttctcc tttttaatgt agagctgcag atacacttaa gttgccatag 60  
 taatggcaga aggaggggaag ggtgttttct ttgtaaaatc attggngtat acaggatggc 120  
 ttggcaggta acaacactat ttctacgata tctacttatt aatataattt tatgttaata 180  
 tccatttctc ctcaccataa tcaccataat gttcaaattt taattttgta ttcattttga 240  
 atgtttgcat gtgaaaaccc aactaatcta ttatttcaac attaag 286

<210> 239

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA370867

<400> 239  
 gtgttccaat aaaactttat ttatggatac tgaaatttga gctgcacata atttccatgt 60  
 gttatgaaac attatactcc tttcaatttt ttaaaacatt gaaaaacgta caaatcattc 120  
 ttagctcatg ggccatacaa aaacaggcgg caggctattg acctgagggc tagaagtttg 180  
 ctgacccctg ctgcagacct tcaaggtaga gtcagatcta tttcatctat ttccctcact 240  
 ggctagtggc agggcctgga gaaaataata caggttttgg aggagtgtaa gtttgaattc 300  
 aagttcaagt tctatattac attgtactca gcaataacag atactaaata acggttgctt 360

tcatgccctt ttaaagtcatt attttttatt gggacctgct cagtttttta tcttaattcc 420  
ctcttatccc aataatgcag gttctcaagg gggctcacta agg 463

<210> 240  
<211> 332  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA371520

<400> 240  
gctgagatga gatgatccat cctatttcag agtccagaag actttctgca agatcagcta 60  
gggtatttgg ttaactaaa aagaaccact aaaaccccaa aaaagcagaa acacccttaa 120  
ccccctgtct aaactggaat caaatcaaatt gagtgaagga tgctctttga tttctcctgg 180  
atccacattt ttattcagtg gcacaagggtg gttatcaggg tggtagtgtagt tagtggatga 240  
tttaccttgc ttgttttgtg ttaacgattc tgtccaatac atgctgatca agcactaata 300  
aaagactaga ctgaaccag atgtgacatt ct 332

<210> 241  
<211> 287  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA374109

<220>  
<221> unsure  
<222> (1)..(287)  
<223> n = a or c or g or t

<400> 241  
cgccgacctt ctctgcaactg aagggccctc tgggtggccgg caggggcatt gggaaacagc 60  
ctcttccttt cccaaccttg cttcttaggg gcccccggtg cccgtctgct ctcagcctcc 120  
tcctcctgca ggataaagtc atccccaagg ctccagctac tctaaattat gtctccttat 180  
aagttattgc tgctccagga gattgtcctt catcgtccag gggcctggnt cccacgtggg 240  
tgcagatacc tcagacctgg tgctctaggc tgtgctgagc ccactct 287

<210> 242  
<211> 265  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA376468

<220>  
<221> unsure  
<222> (1)..(265)  
<223> n = a or c or g or t

<400> 242  
gtaattttaa caaataccaa aagctttatt taagcaaaaa cacattcaac cacagaacat 60  
tcagaaagct aacaggntca tttctacatt cattctgcaa acagtgtagt aagaaaggta 120  
atttgagaat ttccaaagat gttctcgcta gccattattt atggtaatta cataacattt 180  
tgatgtcaag ttattacaga cttaaaaagt aatatagcat aattttacaa tcgtactttc 240  
actatgattt ttattttaac cctgg 265

<210> 243  
<211> 292  
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA380393

<220>

<221> unsure

<222> (1)..(292)

<223> n = a or c or g or t

<400> 243

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catggagtca gggacatggt taattcattt gtgaatcccc tggtagctggc acatagaaaag 60
cgtcccatat tatctgcaaa atgaatgant gaataaatga gcaagtaggt gaatgantga 120
ttctnagggtc tcttcagct ttgatggcct atgaccgtgt gactcctgca tatgcatgan 180
cacacagaca cagacactac acacatgcac agacacacat acacacttgg ngcaaagagg 240
gatgaagcct gccacactgc aggtggtcct agctgcctga cctcccttcc tt 292
```

<210> 244

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA382275

<220>

<221> unsure

<222> (1)..(246)

<223> n = a or c or g or t

<400> 244

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aaataataaa tgaaagattt tattcatctt tgtagataac aagcactcaa aggttaatga 60
gtgaaggaga taaccatctc ctccaaacaa agngggctctt aataacgcag aagcaaaaat 120
ctttccactt ttagatgaaa acaactaaa aaataacttc aggttcaga tatggaaata 180
aagcaccatt tttcaaatgg tagacttggc ttacttaaaa taagtaaata gccccgcnct 240
atctgaaaaa gaaaa 255
```

<210> 245

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA386264

<220>

<221> unsure

<222> (1)..(407)

<223> n = a or c or g or t

<400> 245

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ttatttaata actgtagaaa tccaaaagaa ttagcatcaa atcttgaagt cgtgagtnaa 60
gctgcggggtt ggcttgactg ggctcagcca ctgagctgcc tcaacgggcc aaggaacggg 120
attatgatga ctatgcggac ttctatattg tottcatctc attgtgtgta ttatgtattt 180
agtttcaata aagcatttgt accaatggct ctggagcttg gaggaagact aaaggaatgt 240
gtagtgattc tgaagtaaga ttagaccta cgcagcagag ctatggggga gaagattaac 300
aaagtccttt cttccaatat caggatagtc atgagttgca gtcccatcca aaaggtcatt 360
agggctnaaa ggccctctgt gtctctgaac tatgagattc ttgctcc 407
```

<210> 246

<211> 205

<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. AA386386

<220>

<221> unsure

<222> (1)..(205)

<223> n = a or c or g or t

<400> 246

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ggnggtaaaa ttncacttt atttggccaa tgtgttcaat tcgattgtna aatagaaatg 60
cctganganc tgtnagcgtc tgattcagct ccagcatcct tcttcaggcc aaagaactcg 120
aggatgcgct gggtgtcggg gtgggtcgctg tcgatgaaga tgaacaggat cttgcccttg 180
aagctctcgg ctgctgtttt gaagt                                     205
```

<210> 247

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA397919

<400> 247

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ttttctgttt aagaacagct ggtttattct tttgatttat tgtagggtatt aaaagtttct 60
tttgtgagat ggcacatagg caggtttggt gtttcctaac actatgaata tcttaaattg 120
cttttgaaaag ttttatccac aaagaaagaa aaataagggt ttcttcacag ttgaaaatag 180
tttttgaaaa aaggtttaaga ggaaaaaaat ctaaatacca tccttgataa agaaatggaa 240
cttcaagtta aaaatacaaa tttaaatgaa gttttataaa atattaaaaa ctagctaaaa 300
gtacatgcat aggcatttaa tcaaggtaag aggaacagca gtggaaactta aatatgatac 360
aatttatcaa caataaataa acatttcagt gcaaatagtg cagaaaaatt tctcaaagat 420
catagcaatc attctaactg                                     440
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<210> 248

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398280

<400> 248

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caacccccca ggcacttcac tgtaggacag ttagcaccaa gagctaagg tgtgagataa 120
tgcaaatctg gcctgtcacc tctgcagagt acaggttccc atactgtgag gcagcagcag 180
cagagggaaac caccagagaa acagcatttc agaattgtct ttcccttggt gtatggatat 240
gtgtgtgttc tagtctttgg tgggcaatgg aatctgcagc tccatgacaa tcttggttaag 300
tagcttatgt gggaagtgtt tcaggtcaca agggccaccc attctaaggc ttctcactta 360
attccccagg ctaagagaca ggtggggaaa ggaaaaacct agcaccttgc tatactgaat 420
tgga                                              425
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<210> 249

<211> 515

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398719

<400> 249

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09960706 0940

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ccaagttgct gtaggtgctg cccgcattaa cagcagggac aaaagcttcc tatgcgcgtt 120
tcagcaggaa tactctctcc actccaggta cttctttggt ttggattttt ttggcatgat 180
ttccttccca tgtaaagaaa gccaaacttct tcaagacaca ggtcattcag ctttagtggt 240
ggcctccagg ttctccttgg gccgtgcaga aggccaggtc ccgcacagtg aggcctcct 300
ttgtcctcca ctgaaagctt ttcactgttc ggtctgcaaa gaaagagggt cgctgcccc 360
tgctccactc gccagggtgg aagtgggtga gggctgggaa agggctttct tcacagggca 420
gtgctctcgg tatcattgtc tatatccagc aggatgcggc caggcacgtc tttgctggct 480
gagtctgagt gcatttcagg aaagatgctg cgatg 515

```

<210> 250

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398903

<400> 250

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gctcaagcga tcctctcgcc tcagcctccc aagggtgggt tatatgcgtg acgcgctgtg 120
cccggctcca aagaacattt cttaagattg gtgggtgcaag gatcacacct tgagaaacac 180
tgatttaggc cttccacag tacaagaaa tggtgcctgc cccatcctta cagcacacct 240
gatgacttac aagaggtgct gctgaattcc tcccaggga gcaaccttaa ttcttctcag 300
caagacaagg aggcagcctt caggaaggac ccaggagctt ggtattagag gatgatccaa 360
gtctgatggc aaatttagag tg 382

```

<210> 251

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398908

<400> 251

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tttcagatt tataatttaa tggctgtgca gatcccagtc cctcatttct gtcgctcagc 60
tgccactgg tctggggtca gggttttctg ttcaaaggca tggatgtgcg ggactcttct 120
gctaggcagc cgttcaccag cctgtgtctc tgaagcagcg gtttcccctc gaacttggcc 180
gacaccacca ggactcggaa gctacaggag caacggttga gggctcgtgc ctccacctcc 240
acatgctccg cctccaggtc ccgctgcagc ttctcgcgga ggtattcggc gctgagttcc 300
atggcgccag tccagctgga acggcagccc agcagggaca caaccccagc tcgggcgcgc 360
gcacgctacc ttgctgcctt acaggagcca ctccgctgg aaaactcact tccgccttac 420
taaggcgtac gtcaacgcag tacttccgc 449

```

<210> 252

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA399101

<400> 252

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ttttataaac attattaaat tttattaaca aaacattttg tacattttta tacatgtgga 60
attttacatc taggtaaaat aacaacacat tcaaaattta ccattttata aaactgttac 120
agaataacaa ccagtgggtt aaataagtaa aataaaccac actgattttt taaattatct 180
acaaaagatt tgacttttaa attcccctga acatataaaa ataaattaat ttacttttct 240
aattaaatct accaattaga aatattacaa atcaaaatat caatgttatc ttatgaattt 300
gtcacataac aaaacagatt cacaaaactt tatttacaga aatgaggtaa gaactgtgca 360
atgtttaacc aagaaacata ttgc 384

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<210> 253

<211> 333  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA399273

<400> 253  
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 ctctctaagg gtctgggggtt ccccctagag ggactttggg catccagttt cagggactga 180  
 gccgggttggt gtcggggggc agcatggcat cggacgtggt gccgtctgtg cctctcctgc 240  
 ctgcggtaca gccggcgag gtgtttccga acggcccaca gcaccaggta cacctcccac 300  
 agcaactcag cctccggagt cttcaaaggt gac 333

<210> 254  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA399542

<400> 254  
 agtggttctg ggtttaattg ggggtgaaag ggtgccgcac agttgctcag acccccatg 60  
 gctccgcgcc atgagtcctc acctttgcga ctgaacagag gagcgtcgcc taactagaaa 120  
 caattccccc ctcgagtcct cctccagcac tgtgtgacgg tggcagggag tgggagggtc 180  
 cgccaatggc tggcgggcaa gggggagccc gccggcctac cgccctgcac tgctacgagg 240  
 gcaggcgtgg gtcctcaca ctcaactcagt gcggaggatg atgtggatgc cggaatacgt 300  
 gaacacgggg ccgctcatat cccagttcg cagcggaaac gaggcgtctt taaatgggtt 360  
 ctgcatctga cctctgctga aggcaccag gtcttccctt gggttggctg agctgcagtc 420  
 gctgaa 426

<210> 255  
 <211> 481  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA400034

<400> 255  
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 agagacatac ataaaataac tttaaatagt gctatgaaga aagtaaaaca tgacaataaa 120  
 atagacagta actgggaagt tactttacgt tagatgatca gagagctttt tgcagcggta 180  
 gaatataaac taagacctgg ataacaagaa aaagccaatc agaaagatct gaagaaagta 240  
 tttcaggata agtgaatagt tcaaggcctt aaggcattaa tgtaacatat ataatatatt 300  
 actaataaag gagggttatg ctgaggcgcc ctaggacaag cggccatgag aattcacagg 360  
 cgtaagaaca tatgtaaaag tagatacaga aggtttgtga gaaacaaatt aaatgagcct 420  
 caaatttgag caggtttcat taaatggaca tgtcaaggtc aaggaaagaga acccaagata 480  
 c 481

<210> 256  
 <211> 486  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA401297

<400> 256  
 ttttccaagt tcacatcttt tattttcttt taaggcaaag caccgcagtc caagccccgc 60

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cccggtcccc agccccgagt cctgtgtccca ccccttttcc ccctcgagcc ccgtcagctg 120
ttccccctgg cctcggggttc cctggcggtcc tcggcagccg ggctgggagt cttcatagca 180
tcttctccaa gaggtgcgag ggtctggggg ctccgctcct ctttcaaggc cagcccggcc 240
gctgccgtct ccttgggtag ggggcoctcg agactagagt ccaacagcgc ggcctcggtc 300
agccccgagt cgtcatccat gctgatgaag atgcccgggg tctcgcactc aaggcccttc 360
ctcccggaaa tccatggctt cctcagacgg gggcgggcct ggccgggcga cggagaggga 420
gagggggagg aagaggaggg ggctccactc ctccgggctt cagcttctgt tcttctcca 480
gctgcc                                           486

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<210> 257

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401433

<400> 257

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ttttataaac tttattacgg aaaatgccaa acatacaaaa atagagatga acatatataa 60
tgaaccatca ttttagccat caccagctt caacaattat caaggccaat ttcgtttcat 120
caatattttc aatgcactta acatccagac ttattatttt gaagcaaatt ccaagaatca 180
tatcatatca gccacagatg tttgagaatg tagatgagga cccttctttc taacataatg 240
ataaaacat tattctaata ccaaataccc caccaatggt caaattaccc cgattgtctc 300
ataaatgtat tcgttttaca gttcgggtcaa atcacaattc aaataagatc caattaacaa 360
ttggttaata tgtctcttaa gtctctttaa atctataggt tcatcctcca tctttcatcc 420
ttgcaagtta tttacagaag aaactaggtc atgtgtcctg tagtttc                                           467

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<210> 258

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401965

<400> 258

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gagagcacia ctccaaatca tcttttatta atataaaaag ggcatattta gcaaaagaca 60
cacagataaa agagtcacta tggctcagga cacaaggcag ggaggtgcca ggcctgtgcc 120
cctgctgggg gagaaggagg ctccgggacaa agtgggagaa gtgctgggaa gggctgagcg 180
gtagggggcca caaaagtctc ggtgggcaac actgtcggca ggtcatgggt gggactcatg 240
gggacctcgc tgctaactct tgttgtgggg ggggtgtcctt agtgttgcca cctggagggc 300
cactccttgg ttccctggag ggacccacca agggacacag gacaggaagc ccaggatggt 360
tagtgcaact cgggatga                                           378

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<210> 259

<211> 641

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402000

<400> 259

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tttttttttt gatacaacta gcaaagtgtc attggtttac aacaaaccca aaatactcat 60
caaatatggg ctgttggtatt tagaaaaata agattcttga gcgattccag ctgcatttgt 120
ttatacagaa cacatttact caggacctg cagtgtcagc ttcgttcttt gggatgagc 180
ccttctatct ggatctctgc aggccagcca gaatatctgt tgttcttagc atcagagtgg 240
ttgatctttt ctctctgaat ttccggaagg agttccaagc cttttgctgc aataaatacc 300
cagctagacc tgaatttcat gttcctgatt tctttacttc caagtgttc tatggcattc 360
ttggcatcgt tattcagctt tgtgcttcog tcgtcatagg tcaccatgaa gagcagggat 420
tttgagcag cactctgaat aaactttgtc atcgggtccag agttatcgcc ttcatacata 480
tcaaaacatc gtgttgctgt cacattccca gttacatagt tgacaatggc aatgtttatt 540

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cctctggcaa catttcccag ctgttctccc ataagtaggt tatcctcaaa gcagattttg 600  
gcgtacttgc ttctgccacc tccgctgagt aacctgtagg c 641

<210> 260  
<211> 290  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA402224

<400> 260  
tttgtttcta aaaagtttat tgtaaaattc aaagcttcaa cagcagcatc ctttagaaaa 60  
cgaagcattg cccgatccg ttttgaaaaa gcagcgcagt cggctaagtc cttcacgctc 120  
ctgcaactgt accaagtcca gggcgccgct ccttcctgcc gagcgcaggc tgctgagtca 180  
cgctgcccg gccagtctgt ccttcctggc cctgaggcca acgtcctagc ctaggccttc 240  
ctgggcgagc agccgctcca gacattgca gagtccctcag ctcgaccag 290

<210> 261  
<211> 483  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA402468

<400> 261  
tttcatggta aggagtttgg attttattca gataatgata agaagcctca gagggttttg 60  
agcaaaggta tgacaggacc cgacatccgt ttttaaggat tttctctggc tcctgtgtgg 120  
acaatagatt gtcacctctt ccagcgggag aggtggagat gatgggcata gtctgggggtg 180  
atagtggtag atttgctctt gttcctagt taatccttga aattagtggg gaaactggct 240  
gtggatggct cttgcgttgg aaggctttct ccaggttgta atctggatcat gagcagcctt 300  
tctgacagac tagagcaggc tggatcactg gctcccatgg gcatttgcca gcctgtgggg 360  
agggtagtca tgcgctgctg ttgtactact gttgggtgtt aagtgcacca gtggaggcgc 420  
taacttgccg gagggttcaa gatggtctcg ggggtgtggg gggcatgata agataggacg 480  
tgg 483

<210> 262  
<211> 465  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA402473

<400> 262  
gcggcacgcg gtcacaccgg cagatggata agcagcggca aggcggggct gtgccagggtg 60  
cagtggggag aggcaggcag agcagtggga agtcagctc atgggcccgg gcagtagcaa 120  
agcagcaggc agtcagtctt ggtgaggacg ggcatagcag acaacgaatg gtcagattcc 180  
aggaagaccc gcagcagcag cagcagcagc agcaggatgg aagatgggtca gactcaggga 240  
ggactggcca tggtagttaa cagctcttca gactcagtga ggccagaagc agcaggagac 300  
ggaaggcagt tggccttggg aaggacaagc catcaggttt tgggggcact gacaggcgtg 360  
aggttcaagg cagtcagatt caaggagggt gcagcagtg ggaggaaggt cagactcagg 420  
aaggaccggc gcacgagtga gacaaggcaa cgggaaacca ggagc 465

<210> 263  
<211> 269  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA402903

<400> 263  
cccagggcag tgggtgggtgc tttattttcca tgctgggtgc ctgggaagta tgtagacggg 60  
gtacgtgcca agcatcctcg tgcaaccgga gagcccgggg aggggctctg cgcccgtcgc 120  
actcatttac ccggggacag gagaggtctt tctcgtgtag tggttgtgca gaccttatgc 180  
atcacgggca tgagaagacg tttccctgct gccacctgct cttgtccacg gtgagcttgc 240  
tatagaggaa gaaggagccg tcggagtcc 269

<210> 264  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA402930

<400> 264  
gatttgcattg ttgggtcaac tctttttaag tccaaggagg cagtccacat taagtgtgca 60  
ggcaaaaaag agatggaaaa aggagtcagt ttctcccctg cctcccctct ctccccttat 120  
caagctgagc accttgagtt gcatttgagg aaatgaaaac tatagggtgac gcaaccccat 180  
tgtgtcgaat tctttcttta cattttttgg gttgctacaa ggaatcagta tttttttttt 240  
ttaatcagat ggtgtgtgtg gtggctcaca tctgtaatcc cagcattttg ggaggccgag 300  
gcaggaggat cacttgaggc cagaagtttg aggctgcagt gagttatgat catgccact 359

<210> 265  
<211> 394  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA403159

<400> 265  
tttttcattg tgcaatacac ttttattttc cttttacott tgcagtcac ttcgagtaat 60  
cgttgtgtaa acaatagaat ggaatgaaat tacattaaat tgtatgcaaa tggctctaga 120  
acaccttaac aattatgaca aggcaattat aaataacttt ttttccttag taatatatat 180  
ttgctttttg aagtacatta aagagctgcc atacttaggg ttagctagga aagagcaatg 240  
gtaccatcct gggagccac ctcttgaaa gattagactc caattttcaa aatcctaagg 300  
tttactagtt ccataatata cagtcaagca gagggctact tgggttgaaa gtattgattc 360  
ttgaacctta acagcgtttt accttttagt catt 394

<210> 266  
<211> 376  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA404957

<400> 266  
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cggatctttc cccaaataat tttctaataa ttcagttggt ttctgaatat tgctttttaag 120  
ttttttgatt ttaaagatac aattagaaat aatgtatatg atgaaaaagc tgtttccac 180  
tccaattcag atctgtgatc tacactggga aaaatgacca ctctcatga agttttgtta 240  
ctgacctctc ttggacttta gctctccatc tctgctgagg ggatatgaag gtatttgcac 300  
ttctctgtt aatgaaggga tcttagaaca gaaaataaat aaatgcagtt ttagcgacac 360  
atagctggaa atattt 376

<210> 267  
<211> 294  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405331

<400> 267

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tttttttttt tttttttttt cttttattta tgtattttata aaaagattta caccaatcaa 60
gcctgtaaca tgtacaaagt aaatcttttt gcaaagttaa atatatgaaa atccaaaagc 120
agactgaatt ataaaaaaaa aactttttat ttttgtcact aaatacaatt agtttccctg 180
attataaccc ataatacatg tcacctaaca tacagatggc ctgtacagag gtgagacaac 240
cccaccatct ttctctacat atatattagg accactaaac tcagataaag caga 294
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<210> 268

<211> 207

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405488

<400> 268

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tttttttttt tttttgacgg ttcctatata acgtttattt ctggaagtta aagtagatac 60
agcaatatac caaaaaaaaa aaaaaaaaaa aaagacaaaa aacctcacia taatataaat 120
ttttacacta tgaagtacac attggaattt gaatgcagtg gccaggacag cagcttataa 180
accaccttat aggtaggtta gcaaccc 207
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<210> 269

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405533

<400> 269

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tttttttttt ttcaagaaaa aaaatcactt taattgagga acactttcag tttgtgacaa 60
aattatgctg tgaatcaggt gttgcaaatt atggcccact gcctgctttt gtgtaagttt 120
tattggaaca cagctacatt cagtccatgg ctgcttttag aatacaacag tagactttta 180
catttggaac agggaccaga aaccagagcc atacagctaa taaacttgaa aatatttaca 240
agttgatgct ttacaaaatc catctgctga cccctgctct gtaccattgt tctcttctga 300
tggtctgttt actaaaaaat aaaaacttca caaacatgta aaaaatagat ttgccattta 360
aaatgtgctt ttcaagtttg acttttttag atgcaat 397
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<210> 270

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405559

<400> 270

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ttttttttta aaatattctg atgggttttat taacaagtat ataatatata ttgcatactg 60
tatatagtat atgaggactg tacagtacaa atttatgttc acagtttgac atgacaaaaa 120
gtcattactg aattcccatt ggactacaga gtagaaacag agaaggtaca ttaaacattc 180
acatcttttag taagaaagat taccaaaatg tttcagtatc tgcaagtata ctaacgcatg 240
ctaaaaacct ttaccattc agtcttatta gcttataaaa tatattacac tttattaaaa 300
atctctgcat agttttatata agtattaaag tactgtaaat gtaataat 348
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<210> 271

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405616

<400> 271

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aggagagcag caggaagaca gagcaaggag gaaaggcaat cttttgtgta ttaataggca 120
gcttatcaca tgagcagcta gagctccatc caactgggga cctttggaag agagtgtaga 180
acacatctta ttcagagttg tctcacttgc ggggtgaagg ttgaagactg ctccttggac 240
aatgccttct ccatttcctc atacttttca cctgcctgtg attgggcca gacctgttcc 300
cattgcccga gaaagctctc aggaagatgc tcaagtgcct gcagtaagaa gcaatcagc 359
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<210> 272

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405902

<400> 272

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tttttattgt aataaactgt ttattcaaca ttttaccac tagtatactt taacagaaaa 60
gccctggagg tttattagac tatttctgaa gaaaagaaa attaagacat ctcagatata 120
gcagcaacaa caactaacat ttgtgtagca ctttacaatt cacaaagtgc tttcaacata 180
cattagctca ttgaatcctc acaacaacc tgtgaggtag gtatttttgc caatttaca 240
gtgaggtaac tgaggctcaa aggttccagg acctttaag agatccacag caaatgattg 300
gtaaagatgg                                     310
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<210> 273

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406371

<400> 273

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tactgtggag acgagacagc cccattgcaa tttatcaatg aaaatctaata accgcccata 120
agcagagaag tggaaatcaa tacttcatta ccaaattgtt agtgaggatg aagagaaatg 180
gctgggggtga tttttttttt tttttttttt ggcagtcttc tcagagccag ggtgtcagga 240
ggagttcaat gagttcaatg tcagaagcag gatggtgcaa cgaagaaggg ttcagtgtga 300
ggggatccag gctggaaagt ggaaactaag gcattcgtcc tgcaga 346
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<210> 274

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410298

<400> 274

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gcaggctaga aaataatttt aatgcaaagt agaaagtatc aatccacctc atcactttcc 60
ttgctctctc tctgtcacct cctctttcct gtggctctga ggaggtggga gaagcaggca 120
gtatttccac agcagctgtc cat 143
```

<210> 275

<211> 298

<212> DNA

<213> Homo sapiens



<220>

<223> Genbank Accession No. AA410311

<400> 275

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gggaaagtgt acaaaaaataa tgtgaaagtg taaaaatttt tctagaatac aggaaacata 120
tcagcagtaa agaagtttag tttaactttt tttttaaatg taaaatagtt tggatctgtt 180
aaaaggaata cagttcgccc aaagcactta ttttcatctg ttgtaaactc attctttcta 240
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<210> 276

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410355

<400> 276

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agtccgagga ggacgtgagc cagtttgata cccgcttcac acggcagacg ccggtggaca 180
gtcctgatga cacagccctc agcgagagt ccaaccaggc cttcctgggc ttcacatacg 240
tggcgccgctc tgtcctggac agcatcacgg agggcttctc cttccagccc aagctgcgct 300
caccagggc cctcaacagt agccccggg tccccgtcag cccctcaag ttctccctt 360
ttgaggggtt tcggcccagc cccagcctgc cggagcccac ggagctacct ctacctccac 420
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<210> 277

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410383

<400> 277

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agtgaagaa gtttgtcaag gcaaagtgtg gaaaggatac atgtgtacat cacccttta 180
atgctttccc tgagtattct atgaagtctg gggatcttcg aatgctatta atcttagaca 240
gtaaatttta taaagaaatt ctttaaaagt aggacttaat tctcctccgt agtgagtttt 300
taagcagagg atatctacta catggattcc tttgcctctt gacaggetca agttccatct 360
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<210> 278

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410925

<400> 278

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cgagccagtg actatgtact tatcatccac agagatgtca cagctaagca ctgacgagga 180
ctctttggac tggaatatgc tggtccata ggggtccgc caagcattga ggaggttatc 240
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ctcatgcagg tgcagctggt acttgtcagg cttgttcacg tgcagcacct ccacattgct 360
gctctccatg cccactgcc aactcctccc ggtggccagt acccaaggag aagatctggg 420
aggatgaagtc gtgctgctgc agctgccgcc cctcgcgcag gtcccaggac ctgactgtgt 480
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tgtccaacca cccgtccaga gcttgggtgcc atcattagaa atgtcaatac agctggggctc 540  
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<210> 279  
<211> 395  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA410954

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aagagggctc gctgccttcc gcagaggtgg tctggttctc cccacaaatg ccccgacagc 180  
tgaagtgatg ctgagatgca cttcttcagg caggaggatt tgctccatgt agcttttcct 240  
gaaagactga acttctgggg gtcccttaca gctctggcct cggagcctgt gcacatcctt 300  
ggcagctgcc ctcatcatct tgtctgtctg aagctcacc ttgtgctccg ctcggtccat 360  
ccgcttctcc agcatcctca gcagcaggcg gaaac 395

<210> 280  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA411860

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agatggattt ctctctgtat cttcaagagt tatcagatgg tacatgctcc tcaaagccct 180  
cactctctcg aactagagca cgttccagga tcacgcggcc ttccttatat cgctggctgt 240  
cttcagtggc aaactcatag atccatccca gtttgctatt gcagtttttg cagctcacat 300  
ctcgaaccat gtggcgccca gtgagcatga cccgatcttg aacttcactg tactgcaggt 360  
taactacctt gttaaaaaaga aatgctctgc cagtggggcc tgtgaa 406

<210> 281  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA411897

<400> 281  
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taggaaaaca tcctgactaa acatatttgg attttccttt ttctctcgcc ctgtgggtgta 180  
tagccctgtg cagaatcaag cagagccctt tcttttcacc tccttatcca aaaccaggg 240  
tttattattc gttgacaaaa tcatcaagga actacataga cacacacat ttttgggagg 300  
gaaggtatca ggtatgtaaa ggaaatatta aagggggaata ggaatg 346

<210> 282  
<211> 73  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA411952

<400> 282

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<210> 283  
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<220>  
<223> Genbank Accession No. AA411981

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ggggacggca caagctcact atgacaggag cagcaaggag ccggccagag gagggggtag 180  
ccacgacccc caggatcctg ggcaagaagc ggcagacaaa cttggcacag gggcctaggg 240  
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<210> 284  
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<212> DNA  
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<220>  
<223> Genbank Accession No. AA412049

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ccccataact ggatggagaa ggatgcccc agtcctagat ggagaaggat gccccctca 180  
gtcctggatg gagacgtcat gagtaactgt cggtaggaaa catcatgttc ttcattctgc 240  
ccttgctcct tgggctccaa caggaaaaac cagaaattct gtggatataa aacatggaaa 300  
cattcattct ttaaagaaaa aggctgcaga gacaagaaca gcgaaaggat ggtattgaat 360  
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<210> 285  
<211> 521  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA412063

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cggtttgagt ggaacagctg agaaacagca tatatatatt ttaacacctc aaaatagttt 180  
gaaatgagcc tcacagcctt gttcaatctt cagattacaa ataacattga tagcatctcc 240  
tgtggccttc agttagtagt gccagttaat attgtttctg aaaactttcc tctcaaagtg 300  
ctggctataa ttttttttcc atccagtaca cataagaaaa ggatttagta aactttgggc 360  
aagtaataaa ctgtagaact ttaaaagtag taaaggcata taccaagcat acgtgactcc 420  
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gaatgcacta atgaaaaggg taaggcatcc aagcagagtg t 521

<210> 286  
<211> 336  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA412267



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399

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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA416685

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ggccagtaca tctgtggaca atgtcgagtc ctcaggaagt ccaggaggct gctacagagg 180  
aaatccaaga accatgtcac atctctcaac aagtcttggg aagtccatct gactctctga 240  
aacagtttgt ctctgacctc ccaggaagtg tggagggccc cttccatcca gcctgtacag 300  
agggatcaga gtccaggctc cttctatagg gttgaatatc agaggggaat agcaaatgac 360  
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gcgtgctggg cttgaggtgt aagctgggga gggagggcag ccgggaaggg tcagtggctc 180  
ggacctgcaa ccctttcacc cttctggaa gactcgctgg gcagggaggg agcctcctg 240  
acctggactg gggcttatcc caagggatga gagccgatag gtctacaggc tcggcccaag 300  
ggcccttcca ccctaggaag aggaaggggt gccggcgtct atctgctgga ggggtggctc 360  
gcaaggctgt ggggctgggt ggccagccct tctactgtgg acgtcccaga tctccgacag 420  
cagaggcggc agcttcttgt cctggagccg caaggannga cctgctccga gtgcacagag 480  
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<210> 292  
<211> 348  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA417011

<400> 292  
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tggaaccaa ttacctaggt ttaaatcctg gtctcaccac tccctaattg catgacgttg 180  
ggccagtttc ttggcctctc tgcactctcg tttcctcatt tataaaatgg gcatgtgtgt 240  
aataataatg gcatctatcc catgagatga tgtatattca aggtttaaca taaaggctgg 300  
gtgcagtggc tcatgtctgc aattccagca ccctgggatc acaggcgt 348

<210> 293  
<211> 363

<212> DNA  
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<220>

<223> Genbank Accession No. AA417348

<400> 293

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gccagtccca ctgagccaat cttctaccaa gactgaaaat agaccatagt tctcatttct 180
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ctcaacaggt ggaggacatg ggattttttac cttctttggg gattgaacct ccacacacca 300
ccaactccct tagcctttca ggataagtat ttccaatccc tcagagattt tcttaggaga 360
gac 363
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<210> 294

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA417915

<400> 294

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ctaaacatgt ccaaaaaact tcaactcttt tgaattagtc tccaaatcta cacaaccat 180
agaaaataga agatcattaa aatacatgat tatacacaga caaatggaca aatgaaacag 240
taattaatat tgcttgagct cagattgctc ctgtaagatc tgcagaaatc gtatgatggg 300
gtaaggtttt ctagaacaat atttcatcag gagataatgg cagtatctca ttagactaaa 360
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<210> 295

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA418557

<400> 295

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atccgggcag caataaagcg ggaacaaaac gggacgtgta gatccaacac attcaggtca 180
gtagaacaaa accagaacat tttccctca gaaacttgca acaaaatata ccccatcccc 240
cccgacgccc ccttaccatt ttgcaaacaa aacagaaaaa cagaacaaaa cagaacaaaa 300
taaagtgaag acttcaacac ttggggcagt ttagaaggaa gctttcacca ttttatagca 360
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<210> 296

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419011

<400> 296

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gttatctctg agtaaagggg gtaacaattc taacaacctg gcttccttag aagtttccat 180
tctcatatag tcaccgaagg cagcagcact caggcgtttg ctgccgtgcc tgccctttgg 240
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tttctgggac ggctcggggtc ccgtagcgcc ggcacagctg agattgccaa gccgggaaga 300  
gaccttgctc caggtgtagc tgcgttttcc ccagatcacc tgtccttttc ccctccgaca 360  
aggaagct 368

<210> 297  
<211> 260  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA419546

<400> 297  
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ttccatcatc ttatatcatt gacacatatt atgagacctg catttgaaga gtgaatagaa 120  
ataagaaaat gttttcccaa cccacaaaaa acagaaaaaa atatattaat ttataatta 180  
tcttataaag ccaaaagttt tatgaattat acttttttta ttagttaaaa atgacagcat 240  
aactaagggtt aatttttatt 260

<210> 298  
<211> 471  
<212> DNA  
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<220>  
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aggaagcagg aactgatcat atttcgcatt ggaaatagtc ttttgctgcc tttctttgtc 180  
ctctctcctg ttgttagtgg tcaatgtgtg acttccagaa agacattgga aagggaacac 240  
catgggaaaa acctcagatg gaaatgcaga aatcacccat cttctgcgtc gctcacgctg 300  
ggagctgtag accggagctg ttcctattcg gccatcttgg ctccacattc ctaattatca 360  
ggaagtgtca ttatcagcac cgcagtgttg agaggtgaca gcgtgctggc agtctcaca 420  
gccctcactc gctctcggcg cctcctctgc ctgggctccc actttggcgg c 471

<210> 299  
<211> 523  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA421133

<400> 299  
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tgactcagat tcttgagcag agatcacgca acattctaca tgagacactg gcacgagcac 180  
caagagatcc tggaacattg agtttggaga aggaacaaag agacttttcc gaaccaccga 240  
accaaaggac tcatctaggg tgagctcaat gaatctaaaa tcgggaacac acattgcagc 300  
cctgttttgg gaaatcagct taagagcaat ctcaagtctc cacaagaggc ggaggtccat 360  
attccaaaat aatgtgagcc ttcagttatt tgtaggtaga attcaatgga agaaggggtg 420  
ttatagatac gaaaaatcgt ggctggcggt accaacatta aatgactcgt ggtgatgggg 480  
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<210> 300  
<211> 412  
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<213> Homo sapiens

<220>

<223> Genbank Accession No. AA421562

<400> 300

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taaaacttgt ttttcttaaa aaatagttgt tgtaacatta aaccataacc taatcagtgt 180
gttcactatg cttccacact agccagtctt ctcacacttc ttctgggttc aagtctcaag 240
gcctgacaga cagaagggct tggagathtt ttttctttac aattcagtct tcagcaactt 300
gagagctttc ttcattgtgt caagcaacag agctgtatct gcagggttcgt aagcatagag 360
acgatttgaa tatcttccag tgatatcggc tctaactgtc agagatgggt ca 412
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<210> 301

<211> 222

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA424037

<400> 301

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aaatcatctt gttggtctct ttggcgctgt cagcgaccag tatcagcgcc cggcttgtcc 180
ccgctgcccc ccgctgccct ggcccggtat tgggaggcga ag 222
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<210> 302

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA424245

<400> 302

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agaatacaaa gagaacttgt ctggcttggt tcaactttgc ctgcaatata tgtagacttt 120
gatgaattat tcttttcttg atgtccccaata taccctgag gtctgccagg aagtgcacct 180
tcttactcat ctgttgccag attctgtcac ttttccaggg atcccaattg tagagcaggc 240
agggtgtccc agagatccca tctgggtcac cgaaactgta ggggcagaat aataattttc 300
tccatatact ttctgtgttt ccggctggga ctctctcctt tgtccactaa tgtaatccca 360
taaaacggag aaactcagca gtgaggacat tctgattcca agcaggaagg agatgaacga 420
tgaacctcag gctgagcgcc tcacggtttc c 451
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<210> 303

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA424515

<400> 303

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cttttaaatcc aagataaaca atgtcacatg attaaaggta agcattgaaa ttctttcaga 120
taacctggag ggaaatgtcc tttttctctt tgccgagttt ctctctggga aatgaagaaa 180
caagattgtg agagttcaga gttccttcct cacctgctgc aagttcacac tcagcaggtc 240
gccagatgta ttacattttac cttatggatg gcagagattg tctgtgatca acagcatttg 300
t 301
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<210> 304

<211> 329

<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. AA424530

<400> 304

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ttcatcgatt tttaaaaagg aaaaataaga aggaatgcat tgtctctttg ttatgtgcat 120
ggcagctgat ggctcgttc ccaggcgccc aggtctacct gaacatcaga tatgcagacc 180
ctcgaattta caaccaggga cagccacggg cccacgcctg gatctccatg ggtgcacaga 240
cgggaacgta tcaggctgtc tcagatgcca cctccttccc aggtgcttgg gtccacatgc 300
ccaacatggt cttaatagaa atattaaca 329
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<210> 305

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA425325

<400> 305

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ataataatag taaaaagtaa tttaacacga actgtaggaa gaaaattaca agtaaacatt 180
tgcccctgat ggagaaaaat gaccttattt tttaatttaa agcataaatt gccagtttgg 240
aaacactgct attacataca cctgtattag ttcacccctt taaaatgatg ctgattgttt 300
ttagaaaaga aaatgtctta tgctatatta tctttatgat tgggctccaa attttaaaac 360
aaaaatttgc tttaagaaaa aaatatagat ttataaaatc agattaacac tgtacacaga 420
gagataaagt gtgttggcaa taatatgtaa aaagttgaac acaactgggt ctagcag 477
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<210> 306

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA425354

<400> 306

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attaactttt tgcttttatac aaccatctag aaactataaa acagtaccac attgtgcatt 180
taacctactt atcaagaagg gaacttcata agtcataaga attctacca tataggaagg 240
aaaaaggaga cagctaatag catagtcaca gatacaacat gagtccaagc aagcatcaat 300
tcttcgacat caccttttcc atttaccaga gtggagactg agaaagagag tgagggagaa 360
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<210> 307

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426372

<400> 307

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cttgatcgag tacttgaggt aggtgcgccc attctgctgg tcgaaccacg gaaccttctt 180
ggcctcggtg tagatcttgg ccagcgacga gccgttgccg tcgcccagcc tacggatggg 240
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305

<210> 308

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426374

<400> 308

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tcagcctcgc cttccacgga atccacgccc acctcttcat aatccttctc cagagctgcc 180
aggctcctgc gggcctcaga gaactcccc tctccatgc cttctccac gtaccagtgc 240
acaaaggccc gcttggcata catgagatcg aacttatggt ccaggcgagc ccaggcctcc 300
gcatggtggc tgggtgttgc cagcatgcac acagcccgtc gcaccttggc caggtctccc 360
ccagggacca ccgtgggggg cctggtagtt aatgcccacc ttaaattccag ttgggcacaa 420
tctacaaact ggatggtgcg ctggtcttga tgggtggcgat ggcgcgttga catctttcgg 480
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<210> 309

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426438

<400> 309

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gcttacatac acagatatta aacctacaga tacaaaaagc tgagtgtact tacaaattaa 120
taactgtaca caggcagcat aaaattctct ttgtacatga caaaaacatt ccgtgtccac 180
ccagggtgaa cacagccact tcacaaacag ggtgtaaata aggaggttca ctaagtacag 240
gaaagttaca agaccatatt ggcattttta cagccattcc tgagaaagag aatgggaaag 300
ggcttaagag tcagacgaga ggaagagagg aaaacagatg acctcctaca tcaggagatg 360
gagcagttag aatacagaat aggggaagcaa tagtta

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<210> 310

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426454

<400> 310

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gagacctcca ctttgaagaa caatatgggg tgggagcttc caatgtgcat tctgctacca 180
gcctcaggat tagcagcaag atgccaacag caacagcaac agcaacagca acagcaacaa 240
aggactggac tcgacacttc aggaaaggac gtgtagaaga gaaagtcaga cccacagtgt 300
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<210> 311

<211> 133

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA427622

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 ggtagaggc atc 133

<210> 312  
 <211> 448  
 <212> DNA  
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<220>  
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<400> 312  
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 atccaaagag tggcttagtg tggtggcatt ttcacaaagt acagtcctag aaaatgtcaa 180  
 gttgaacaat aagatattga ggcacattgg tccatgtgta ttctgaattc tttagtatgg 240  
 tcagaggaag tagttaatat atttcatggt gattcttttg ctactcttga tttttgcttt 300  
 gggtaacatc ctcatcctgg gaacattcat taccacttaa tagcaagata acattaaaaa 360  
 aaaatccttc attgccacat ttaatagcat gtttaaaaag gcagaggttg caatgagctg 420  
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<210> 313  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 agtgaagttt ggggaaagca ttgaggactt gcacacctgc cgtctcttaa ttaaacagga 180  
 cattcctgca ggactttatg tggatccgta tgagttggct tcattacgag agagaaacat 240  
 aacagaggca gtgatgggtt cagaaaattt tgatatagag gcccttaact atttgtccaa 300  
 ggagtctgaa gttctcattt atgccagacg agattcacag tgcattgact gttttcaagc 360  
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 tgtggtcaat aaccagatt tgttgatggt ttgtgac 457

<210> 314  
 <211> 475  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA428243

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 atccaggcga taagcacagg tggaaaaggg ttgggtgccc agccctcag tcccagtgag 180  
 ctctctgcca cctccctgcc agcatccggt acagattggg cggaatgtgg agaaggttgg 240  
 ccacagtcca gagccaggag cccatggaac aacttgggaag gtgactcagg tgaggctgtc 300  
 aatgagggaa tcccgcatgc tgggtggcaat ggtgctaggc tgggcttcat tcagcttgaa 360  
 gacactctcc accactgaca gctctgtgct ggttgtgtcc aggccacaga aggcacacca 420  
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<210> 315  
 <211> 159

<212> DNA  
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<220>

<223> Genbank Accession No. AA428325

<400> 315

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caaaggtaga gaaaatgagt aactattgag gcccccgct 159
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<210> 316

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA428460

<400> 316

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agaaaatctc agtgcaggcg acctggatgg cctatgacat ggtggtgatg cgcaccaacc 180
ctacgctggc cgagtccatg cgtcggctgg aggatgcctt cgtcaactgc aaggaggaga 240
tggaagaaga ctggcaagag ctgctgcatg agaccaagca aaggctgtag gccactggc 300
ccaccacagc tgccatgcca ccctctgccc gtatgaagag gtcactgggg gatggagctg 360
gcaccacat gaatagctgt atgactgta cttgtttctt aataaactta tttttaagca 420
c 421
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<210> 317

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA429398

<400> 317

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tggaagatgc agctccagat ggggtgggtt ctgggcagga ggggagagga ggggtggtgtt 180
tattcaactg tttatttggg atcatgttat gcgtcttcaa aaagcgatat aagagaaaat 240
attggaagaa tatttcaaaa taagaattac cttgaagtaa ttcccataat taatgggtaa 300
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<210> 318

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA429539

<400> 318

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gaaaaattac acctggcagc tgcgtttaag cttccccca tcgtgtactg cagagttgag 180
ctggcagggg aggggctgag aggggtgggg ctggaacccc tccccgggag gagtgccatc 240
tggttcttcc atctagaact gtttacatga agataagata ctactgttc atgaatacac 300
ttgatgttca agtattaaga cctatgcaat attttttact tttctaataa acatgtttgt 360
taaaac 366
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<210> 319  
 <211> 257  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA429636

<400> 319  
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 atgattcgct attcatcaca ccccgaaagat tgagatccac tgtatttaca caaagcaaag 180  
 ccatgtcagc aagggactgt caacctgatt ctgagaacat aaacattcaa aatttatttt 240  
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<210> 320  
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 <213> Homo sapiens

<220>  
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 cctggtaaat actggtggaa caagacagct gagaatgtat gacatctgac catgaacata 180  
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 tctcccatg ttttagacct cccacaccag catttaggat ttcttctct ataactcttg 300  
 tgggtgctgg tcttggcagg gcactactg gggatagggtg gtttgggggtc tcagtgggtg 360  
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 atgcaatc 428

<210> 321  
 <211> 335  
 <212> DNA  
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<220>  
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 cagcagtaca cttagcaatg aggctgtgtt gatgaggaag tgcgcacatc atacttggtg 180  
 tagaagctgg ccaggagata gagcacaata ggagagatgc tgaggaactt gcgggaagag 240  
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<210> 322  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA430738

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 ttgcgcaatc acaggccaag cctgggtggg cctcggggaa gctactctc caggtcacct 180  
 gccagggtgga tgcacttctt tgggcaatgg gtgacctcc caggacaagg ggaaccagca 240

gggactcgat ggcaccacac agcagccacc tgttctgaca atgtgacaca gaccaactaa 300  
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 gaagtgactg tgccgcccgt g 381

<210> 323  
 <211> 259  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA431470

<400> 323  
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 ggagctccat gagggaacct cagagatgca caatgacagt ttagctaaaa tggcttaaaa 180  
 aatgtgaatt gattgtcagc tctctccata tctgctgaaa aaaggtttta aattttttaa 240  
 aagtttaaaa gtgttttct 259

<210> 324  
 <211> 489  
 <212> DNA  
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<220>  
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 cttcttacat tccactgaac agaaaaccat cccttctact ggcattgaact tctgccaat 180  
 gaggcatttg ctgcagcaag agcacagaaa gcactctgtg gatgcatgcc agctgaaatt 240  
 gttataggtc acccgctgca cttctgggtc gatggcattg tggcatcctt gacacaccac 300  
 agcgtgattc ttcacatagc agggcttgca cacgggcttg tcattgacca tcacgtatat 360  
 ctccccagct agaatgctat cacagtcaaa gcagcagaag tgtttcaggt gccaatctctg 420  
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 <212> DNA  
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<220>  
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 tatctcagtg tctcaattca cactaaaata ttgaatgaga aatacaccac gttggctgat 180  
 tgcttgacat gtctgattta gggagacttc tacaaccact cctctctttt ttctcccagt 240  
 aaataactttt gacttttgaca cctaccatat tggaaatgac aggtgcccga gggcaagtgc 300  
 atcaaagcag ttaggattcg aatgcttgct aaggattatt tttttaatgg agcagttcta 360  
 ttgaatc 367

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<220>  
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 tatcacttct agaaaaatca aatataccac attctactac ccattccatc ttcctatttc 180  
 cccaaatatc cccccaaatg tctcttatag gtttttttat gaatcagaag ctaataaagg 240  
 atcacacttt ccatttggtt atgtctcttg tcttaatcta gcagagacca ctttttggtt 300  
 tactacattt gctttttgaa aagtccagac cagggccaaa atgcacaaac tatggcttac 360  
 aacatcacac ccctgcatag ggccagtga atgtgtgcaa gatcagtttg gcttcattaa 420  
 ctatgaagta ggggatagca agaagctctt tttccatatg aaagaagttg 470

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<220>  
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 gaaaacctaa agaccccacc ccaggatctg gctgaagcag tcttcccca gcttcttcac 180  
 tatgaccttt atacaactat ggggtggtgg tgggatcaca caggcataaa agggctggaa 240  
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 <211> 506  
 <212> DNA  
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<220>  
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 ccacggaatc cagcccacc tcttcataat ccttctctag agctgccagg tctctgcggg 180  
 cctcagagaa ctctccctct tccatgcctt cgcaccagta ccagtgcaca aaggcccgct 240  
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 tagtgcgctt ggtcttgatg gtggcgatgg cgcgttgacg tctttgggga ccacgtcgcc 480  
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<220>  
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 taaacattta tagtggctat ggtttgata tttgtcccct ccaagcctca ggttgaaatt 180  
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<210> 330  
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<212> DNA  
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<220>

<223> Genbank Accession No. AA435769

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tttcacaact aagcctttgg ccaaaaaagt catttagcac atctttaaag atcaataaga 180
aatggatttt ggacattaaa aagatcaagt cactgaatta aacagtagca acccccatta 240
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<210> 331

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA435852

<400> 331

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gtaaacattg aggagaaaag tttccagcgt agagatatga atataataat agacacaggc 180
agggatgatt aataaatgat aaaatgttta caggatgatc atcggaatac aggacatttc 240
tacttttgaa aaccacctc ccaataactt cattataagt aagggtgtctc taaaaggac 300
agatctccta gacctctct taaccaagta accagtctg atatcatgat aatgctgatg 360
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<210> 332

<211> 230

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA436244

<400> 332

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gtcattacca ttcttcacac agatcctgaa aaagttacca cagcagttaa cggaagtga 180
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<210> 333

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA436489

<400> 333

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atttgtctat cattcagctg ccagctctaa cttgtttgca cacttaaaac atcatattat 240
tgcacaagaa gccagtgaag gcatataatg gtcagttcct cactatttca aaaaaaatct 300
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<210> 334



<211> 334  
<212> DNA  
<213> Homo sapiens

<220>  
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tgatagatta aaagattgag aaatacttga agaacgatca aagatacaat gagcatggta 240  
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<210> 335  
<211> 437  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA436616

<400> 335  
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aatcatggga ttacataat ggcaaaaatg tatatgtata ttataacat cctctatata 180  
caataatcag tatagacaga gaaaatgcac ttaatctttg caaatcatgc acaccacagc 240  
aataacacaa aatgtttttt ctgtaacaag cttttccact ggctcaggct tcatcctgct 300  
ttccaacaat acctatcagt tttaaaagca aacattttca attaaaacta aagaaaattg 360  
aaataccata gtgatctact aactatttta aaaacacaaat tgtacacaaa atagtttttac 420  
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<210> 336  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA436618

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agaaatgcct ttctatggta acaggctcta gaattatcag aagaaagaaa cccccacag 180  
atgtgtaaca gtgtgttgga acctcggaat ccagcatac agagtatact tttatgttga 240  
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gtttgaaaat aagctttttc ctgcagagag tcttggcctt cacctacaca cccaagctaa 360  
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<210> 337  
<211> 219  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA436655

<400> 337  
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<220>  
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<211> 316  
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<220>  
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tcggattcct ctggaggatt aaaaagtttc tttcgcatg caatgccatg ctccctgctc 360  
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<220>  
<223> Genbank Accession No. AA437226

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 tccctacgaa ttagacaagt cagtcattat tctgcagatg aggaaactga ggctccaaga 180  
 ggataagtga cttctccaag gtcataccac tggaaacagc aaagtcagag ctagaatttc 240  
 ggggctcctg agatatccag aattctttca ctgtgcaatg ctgcctctcc aataaataaa 300  
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<211> 453

<212> DNA

<213> Homo sapiens

<220>

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 aaatctcttg ggcagctctg ctaaaatggg tctttagaat tctgctttga tataggggca 180  
 caagcattta tactatcata tcaatagcca tttgataagg agtgtcctag agaaagaagg 240  
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 agaaagacat caggcagcaa tactctcagg gggcggacaa atgaaagcct cagaactgaa 360  
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<211> 292

<212> DNA

<213> Homo sapiens

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 agcagactgt acaaagtcaa taatttataaa cccaaaccct gggcacagtg cctggaagtg 240  
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<211> 420

<212> DNA

<213> Homo sapiens

<220>

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<211> 213

<212> DNA

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<210> 346

<211> 455

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA446651

<400> 346

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aatgtactac tataacaaga cacagttttt atatattact ggaataatgc aaagaaaatg 180
aattttcctt tgggtccagt aattgtcaaa ggaatgattg cagattcaga aaatgtgctt 240
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<211> 451

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA446661

<400> 347

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<210> 348

<211> 380

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA446899

<400> 348

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<211> 209

<212> DNA

<213> Homo sapiens

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ggaggccagc agcaggagga tggccagcca cagcccacca cagctctcac ccatgctccc 180  
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<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447537

<400> 350

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gaggctcact gggcagggtg ccaacatccc tttcaagggg atacaccata aagatgacat 180  
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ccacatttgt cttctcttcc acgtactcca gggttgcagt caaactttcc cggttgcctt 360  
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<210> 351

<211> 342

<212> DNA

<213> Homo sapiens

<220>

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cgccccctgc agtcctccag ttgcccagca gcagtgggac gctcagtggc acacagtggg 180  
tctctgtatg gcctcccacc tgcaagggct tccccgggca ggcccagctg ccagaagccc 240  
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<210> 352

<211> 409

<212> DNA

<213> Homo sapiens

<220>

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<400> 352

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gcagatatatc aaaattaaag agacagaaga tagacattaa cagataaggc aacttatata 180

ttgagaatcc aaatccaata catttaaaca tttgggaaat gagggggaca aatggaagcc 240  
 agatcaaatt tgtgtaaaac tattcagtat gtttcccttg cttcatgtct gagaaggctc 300  
 tcccttcaat ggggatgaca aactccaaat gccacacaaa tggttaacaga atactagatt 360  
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<220>  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 ttgaattaga aaagcaagct ttgccaaatg cctgattatg cctttactgg tccgtgtagc 240  
 tggcatgttt caccaacttt tccctagtggt ttcctttggc actgttgagc ccacactaca 300  
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<220>  
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 atacatgtaa cagttttaagt tcccattgaa ggtataaaat gatgaattgt tgtaagactt 360  
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<210> 356  
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<220>

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<400> 356

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<211> 435

<212> DNA

<213> Homo sapiens

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<400> 357

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<210> 358

<211> 386

<212> DNA

<213> Homo sapiens

<220>

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<400> 358

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aacatgtgat taacaggaag gagatgattg gtgagttttc ttcgtaacca ggttcactgt 180  
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tccatcaatg atgacagggt taccagttac ataagcagat tcatcagaag ccaaatacac 300  
gcagagcatg gctattttctt ctgcagttgc gaatcttccc gtcttttgtc tcttcaggaa 360  
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<210> 359

<211> 431

<212> DNA

<213> Homo sapiens

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<211> 282

<212> DNA

<213> Homo sapiens

<220>

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<400> 360

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<210> 361

<211> 254

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA450373

<400> 361

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<210> 362

<211> 147

<212> DNA

<213> Homo sapiens

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<400> 362

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<210> 363

<211> 386

<212> DNA

<213> Homo sapiens

<220>

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<400> 363

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<210> 364

<211> 346

<212> DNA

<213> Homo sapiens



<220>

<223> Genbank Accession No. AA453435

<400> 364

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caaagatgag gagcccctaa taaagtgcct tgccctgtat gctccactgt ctatagcttt 300
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<210> 365

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454016

<400> 365

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gc 362

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<210> 366

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454908

<400> 366

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<210> 367

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454928

<400> 367

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cctacatctt tttttttttt caatctctgg gaacagacta cctctgtaga acaaattggg 240
tatttttctg gaagcaacta caatcactgg gattcattca acttaagtga caagacaata 300
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<220>  
 <223> Genbank Accession No. AA455001

<400> 368  
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 gggagtcagc acagtccttt ctgcagcttc taaccacagga ccatgaactc aggtgcctag 180  
 agaagccagg cagctaaagg acaaggaatg ctgggggctg tgggaacagg aatgcagata 240  
 ccctttgaag gagcattcct gctaaaagaa gctgaaaatg tagacctatg tgaagtgtct 300  
 tgattttctaa atattgtgaa ggtaaagaaa gacataaatt taggtctatg ggctagattt 360  
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 ctacc 426

<210> 369  
 <211> 256  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA455070

<400> 369  
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 aattcagtg atgtcattat tactgctaa gaaatcttag cccttgtctg ccttaaagga 180  
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 atcacttaga tgatgg 256

<210> 370  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA455381

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 cactccacag aggaaattaa tccttcgttg acgccaacca tgcccacttc cagctgctct 180  
 gccactctcc agatctgggc tgggtcttga gagtaaaaa aacctgctaa cccaacatca 240  
 gctgcgttac ggattgctat agcctctcct ctgtatcgaa cttgataact ggtgccagag 300  
 cgcgaaagtc tcttcattag tgcacagcat gtcctgggtg acattgcaca gcagggtagg 360  
 ctcaaagaaa ttttttccaa gttgggtgtg ttttccacct gtcacaacgg tggcaccttt 420  
 agaaacggca tcattcacct gtttctccac cttttctacc ggttt 465

<210> 371  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA456147

<400> 371  
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 cagaaatgaa aaatcttaac ccaaataata ttcatttgac agtcacataa aatttttagat 120

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ttgattggtg cacacattta tcctgcatat atattatgta tatgcacaga gagacctcac 180
tattatgccca ttgttagggg tctttttttg gaagtacctc attacaaggc aatgtcaaag 240
gttccagtaa ctactcaact ttgaatgaag ttcaaaatgt ccccatgcta agctgagtct 300
gtgccatagc aaacctatgat atagcaagtc tccagaatgt gtacaaatca atactctgtt 360
tgtataagtt ggtctaaaac taaacactgg ctaatgtctc caacaaggag gaacacatta 420
caaatttata agt 433

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<210> 372

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA457148

<400> 372

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ctgtcatccc aggctggagt acagtgggac aatcattact cactgcaacc tcgaactccc 180
cagctcaaac aaacctccca tctgggcctc ccaattagct gggacaactc ctgggctcaa 240
gtgatcctcc cgcttcagcc tcccaaagag ctaggagtag acacatgagc aacaatgact 300
ggcaaaagcc aaagtcttcc tgttggtcct caaggccctc aagggtctgac ctgtcaccgc 360
ttcacccctgc ttcagccaca ctgagctcct tgtggctcct ggaattctgc acactctcct 420
gctcgaaggc ttttatg 437

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<210> 373

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA457235

<400> 373

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aagtgccttaa gatggtgttt aatacagcag ggagccaaga tacagtagta ggacacagta 60
aagaatgtgg agtgtgtaga tacaataaag aattcatttt atgatctgcc acctgttact 120
tgacagagga gtaagttagg gaaataaatg actcagttct tcatacatgc aaaggtaagt 180
tagttattac aaaagttttt gctgttggtt gtgctgaaag aaaagcatat gcattttaaac 240
atTTTTTTTaaa aaataaatca ctcaataggc ttaagaaaaa tacttttagtt catagtccat 300
tgatctgacg ttttgattta agatcagggg atgaatccag gatgaaaacc aaaga 355

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<210> 374

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA457407

<220>

<221> unsure

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<223> n = a or c or g or t

<400> 374

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cattcccgtg cactcctggt ctgtaagctt tggcacagca gagaccccag cttgtatccc 120
ctatcagcca ccagatatgt ttcttcgaag tgaccagagg ccctccactg tcaccctgtg 180
gancacgaca aggtacagag agcagaaaaa caagtcacaa tctgccgcac accactgacc 240
aggcctagag gagttggggg gcggggggtcg cagtgtgagt tacgagtgac tgtgtgggct 300
tcgaatctcc accatcaagg ggtgatggta acagagatgt aacccccaaa gagatagccc 360
ccatcctgaa ttttaatctg ttcaagctaa aagttactaa ataaattg 408

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<210> 375  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<400> 375  
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 gtaattatga agacacctt acgggtgagcg ttattaaac cctactagag gttttgggtg 180  
 ggactcaaga gcaaggggtg gccacctgtg gacgagggtt ccctgttggt aacagaacac 240  
 gttgccacc tcgcaagtat gcagcccaat cagtccccag ggtctcggtt cccgttgccg 300  
 cttccccat ggccactgcg ctcatcatg agcctagggt gatcaggcct ccgg 354

<210> 376  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA457675

<400> 376  
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 aaggcacttc aaacgtccca agcagatctc cttttctata cagccatcca cagggtgcta 180  
 ggccggaaac gggaaatgat ctgaggtgct ctgttctctt tggcacaca tctattcagg 240  
 cacgaaatcc tgtcaatccc acatcaaaga cagttcctga atctgcctct ccctctcttt 300  
 atttccatag cctctatggt actccaagcc accttcattt ctcccctgac tattgcaata 360  
 atccccctct ga 372

<210> 377  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA459272

<400> 377  
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 ttccactttc agaactagaa aatgcaaaaa tacactgcaa attagattta acaaagaaaa 180  
 aatcagttta agttatttca tacatattcc ttggagaaag ctgagacaca taaacacaga 240  
 aaaacaacaa taaaatacca ccaacactaa cacaaaacca aggaaagaac tgattttgta 300  
 acgcttggtta attctgtcct ttaaaataaa ttatctccca tgaataaata attcactatc 360  
 acagcaattt gatgagcaga agtagagaca actt 394

<210> 378  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA460377

<400> 378  
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<223> Genbank Accession No. AA461453

<400> 382

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gggaaggacc cggcaccctc ccctgaactt cctggctact catttccagc gaagtttaat 180  
ctatttttaa taatcgttca gttttcaagg aaatggagga gctgtttttt cccacggagc 240  
ggcgggccctg ggagggggccg gccacgcagg ttccggccgc gatgccgtca gcgccttc 298

<210> 383

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA461618

<400> 383

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ggtgggtttgc tgcacctatc aacacatcac ctccgtatta agtccagcat gtattagcta 120  
tttttccctca tgtttctccc ccccccgcca cagccccctgt taaattaatt tcttattctc 180  
cttaatatcc catacacatt cagattcctt ctccccctaca aaaatatttg ctattttgtc 240  
cttgctatct ctcatactta gatcattcat acactatatt tattttttca ttaaactatt 300  
ttaaaccctt tggaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 353

<210> 384

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463311

<400> 384

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acaacaggta cctgtacgtg aacagcccg cctggcccaa cggcgcggtg gtggccgacc 180  
ccatgcagcc gccaccaatc gcggaggaga ttgacctgct ggtgttcgac ctcaagacca 240  
tgccggagggt gaggggggct ctgcgtgcgc accgcgctac acgccaacg acgagtgtt 300  
cttcattctt ctggacgtca gcagggactt cgtggccagc gggcgaggag accggcacgg 360  
ctacatctgg gaccgccact acaacatctg tctggccagg ctgcggcacg aggatgtggt 420

<210> 385

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463693

<400> 385

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cagccgcccg gccctgggtg tttctccag gaaaggcctg gtcagtgaat gcctgcaggc 180  
agcagggtgt caggaatcac ctgcccgatg ccagcgctgc tcttgtctgg agggccagac 240  
tgtcatgaag tca 253

<210> 386

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463726

<400> 386

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gacatcagcc atgtgtgtag cttcagcttg tcttcttttt aacttatggc tgcccatctc 120
ctgcttcttt agtcttagca tgcttaggat taggtggagt cttctctttt acatcagagc 180
catctccacg ctcaactccga gtctttttcca gatccatttc ctggcaatca ctttctactt 240
tacgttcttc gatcggaggt gttccttctc tctcttggtc aggttcaata tcctgattgt 300
cagttggtgg ttcctcttgc tgagattcac cgggagccac gaatgc 346
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<210> 387

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464598

<400> 387

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atctctcacc ctgcttctcg gtctgatctg tgcaagctca gtctcttctg accctgcagc 180
tacctccatc cctcatcgta gtgcaggcca aaccaaattt tataaaatta acaatttaag 240
gttaaataag cttaaataag ggtgttaaat acaagacact tcatcaaagc ttctgtacaa 300
agataaacia atctggcatt gtacaagtgg ttccgctggc tcacagcaca caggggaagt 360
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<210> 388

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464728

<400> 388

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tcaatcctta aaattagtct tcaatgctat gtatttttagc tatgtaactt gtactgtgtc 180
aacagtgaac cttatttagat tcacggtgtc atcgaaacta tagcaagata aaaatcaatc 240
agtaggaatg tcatttttaa aagtaaaata gtgggacggg tgtggtggct catgcctgta 300
atcccagcac tttgg 315
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<210> 389

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465093

<400> 389

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cttttggttg catgccctga tctgtagaag ttaacaagga aataaaattt ccaagtattt 180
aaaaaattta ctcatcttcc ataaagcgac ttttaattgta tcaacactta aaaatacaca 240
gtgacttaat gaagtatcag cacaactgca tagaattgag ctccagagaa ttatacactc 300
ga 302
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<210> 390

<211> 296  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<400> 390  
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 tcagaataact ggtcttctga tataaatcag aatactgggc agggagagaa tctgggtcag 180  
 agcacaggag ggcttctagg atcctgatct gaatagtggg tatatggctg tgttcaatgt 240  
 aaaaattcat tacgtgtgtac ccttaaggat tttgcatttt gtgtgtatta cacatc 296

<210> 391  
 <211> 519  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA465491

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 ggaagctggg ccctgtctcc ttgcagggga ctctgcccag ctggaagggg cagcagctcg 180  
 gcaggccctg accggcaagc gggcatgcag gcagcccagc agcagctgag cttccagaat 240  
 tgcacagcag tgggcctgtg gagaggctgg cgtcaactga aggagaactg gagggctgac 300  
 acgcttggct ggccggcagg caggcaatgg agcagagggc acgggcctac gagagggcgg 360  
 ggcggccagc ggcaagtggg tggcccgaag gcaactgttc cgcgcggtgc cactctgcag 420  
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 ctccatgcc tctatgtcca cttcttgctc tgagtctgc 519

<210> 392  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA469954

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 aaaatatatt cttcctaggc aggaagggtt cagaattgat ttggaaatca gagatttctc 180  
 aaaggaataa ttaaatctgt tcacagtagg agaaaagtaa catatggata ttagtgattt 240  
 cgtttacttt tattaagaaa agagactatt agaaccatgc cctgggaact cagggtgtaa 300  
 aagacagtgt cacctcacia ttctgcagag gacgaccctc aggcacaaaat gttctactaa 360  
 ataggacagg tttagataga agggagcact ggatgatga 399

<210> 393  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA476594

<400> 393  
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 ttttctgaac aaatgatcat gatccctcag tctttcccggt ggcattgctc taaaacaacc 180



ctctatgtct aatcagtcac ctaagatatt gagtggcaag tctttcacag ttgctgctta 240  
 taattcctaa atgggtccata ttgagtattt tcattttctgg gtaagggaaa aagcattttg 300  
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<210> 394  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA476944

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 acatttccag tgtaatgaga gataaagagg aatactgccc accgaggaaa tgactttctt 180  
 caccatgctg accacactgc acagcgcccg atccggctgg tgaggatggg gaggtgggaa 240  
 gaatctcaaa gcactggaca gggtgaggac tcaggaagtc acggggtcag cccta 295

<210> 395  
 <211> 246  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA477119

<400> 395  
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 cagttcactt tagctacccc caagtgttat gggcccggag cgaggagagt agcactcttg 180  
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 ccatgg 246

<210> 396  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA477767

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 tggcgtctgt cctggccccg cctgtcagaa gatgaacatg tatagtggct aacttaaggg 180  
 gagtgggtga ccctgacact tccaggcact gtgcccaggg tttgggtttt aaattattga 240  
 ctttgtacag tctgcttggt ggctctgaaa gctggggtgg ggccagagcc tgagcgttta 300  
 atttattcag tacctgtggt tgtgtgaatg cgggtgtgtc aggcacgcga gatgtgggg 360  
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 aaaatgtttt tgtacat 437

<210> 397  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA477833

<400> 397  
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 actgagccgc ggggtcccggg tcccaccctg ctgtgggggg agtccctggg ccctggggct 180  
 cttggcactg tgtgacctgt gtgcacccca ggtgaccagg cgccgggacc cctgcaggca 240  
 gagcaacagg gcaggggttg gcctgcgg 269

<210> 398  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA478615

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 gctgggaaag gatgcgcggc ctccggtgcc ccgcgcgcca tgggcccggc caaccagcga 180  
 ccgcgcccgg tggcgaggcg cggcctcggc catcggcgcc ctagggggcca gtaaccatga 240  
 cgacggccgt tgccaaggcc gagagccaat agaggcgctg cgggcgctgt ttcaaaaacc 300  
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 ggcccctccc tgaggctcag accaggcctc gcggccccgg c 401

<210> 399  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA478778

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 gagaatactg ccaggctttt cctaactctt ttggtctttg gaagtgggca gggtttctca 180  
 aaccaagtgt cttccatggg ccattggaaa ggcttccctt catcagcttg gaggggcaga 240  
 aagaccatgg cttcagcact tccatttttg aaagaagtaa caaaaaagtg aattaatgag 300  
 caatcggaag gactcaaagc attttgtact ccacagttca tttcttcaca caaacgtcca 360  
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 atcaccagcc gatgttttca tgcaaaaggc a 451

<210> 400  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA478962

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 actttgataa ttttaaccat acataaaata tggagtaatg gaagctatgt tacatggata 180  
 ttttacaaag gaaaaaaga tgactttttat aataacacat ccagatgaaa tttatcatta 240  
 aattttggat ttcattatgat gtttaagtat gatataattca aaacaattac tatttataga 300  
 accaatttga tattttgtca tttaaaataa tgaatactat gtaaatgagt acttataaaa 360  
 atattttttg gcaaaaag 378

<210> 401  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA478996

<400> 401

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gctgtgtctc cattggtaac tgcccttggt gcacatttcc agaaaaccac aactggaaac 360
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<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479044

<400> 402

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acctgttggg tcttggtgt tgggatgata attcttttgg gtgaggggaa cagccgtggg 180
caaggctgcc tgcaccccca tccaggcaca ggacctggg caaagtctca aaagaggtag 240
tgtttttact ttgcaccaa caatacaaca taagtattgg gtacaaaaga ggagatttcc 300
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<210> 403

<211> 501

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA479286

<400> 403

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accagatttc ttagaaataa agccaaactg gcattcatct ggtttctcac agcatcagtt 240
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tccaattatt tgttggtctc actaactctt caagcctggg gtggctgtag gaacagtaag 360
cacagtggcg gtgttgataa ctgacgtgat gtgggctaaa cagacatgtt aagtcaaaac 420
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<210> 404

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA481057

<400> 404

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atccttccca cgatatatta ctatttagtc taagctttta ttcaaagggt gagaatgacg 180
aattcaagaa tttctttcat acataaattg ctttccttag ttctgcagat gggtaatctg 240
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tttgagataa gcactgtcat gtttcaacct tagagaacaa aaagctatca acaagatagt 300  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 ttaatatctc tgctcttgct ttcaacagac atactcagca tttatacttg taaatagaat 180  
 tgagtttcca ttgtttcgtt tcctgttttt gtttccttag gaacaagagg atgaaggaaa 240  
 tatggtcagc attttaataa caccataaat ccaagataat aagtaattct ataaagtttt 300  
 ccagtttcat taattcagaa tttcatcata taacttgaaa tccaattggc ttcctctttc 360  
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<210> 406  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA482107

<400> 406  
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 aataagtggg ttgccacag ccacaccagt gatagggacg gagtaaacc atactgcagg 180  
 tttcccagcc cccaagctga tgcacctttc atttcatgtt acacaggatc tttgtgccaa 240  
 ccag 244

<210> 407  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA482559

<400> 407  
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 tattgcacgt ggtccggcct gggtatgaaa tcaggaggct gctgagactg gggtcctgcc 180  
 gaggaagtgg ggttcagcct ggagggagga caccagcccc tcccaccccc tcaaggtgca 240  
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 gccagccttt ctttatcttc cctgaggccc cagtggtcac aggggagtgg gaactagcag 360  
 gaaaggtgga agaaatgtgt aagtggaaaa tcagactccc agaaacagag tctcgtaag 420  
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 ag 482

<210> 408  
 <211> 439  
 <212> DNA  
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<220>  
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<400> 408  
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 ggctggcgct cagtcactag gcaccgacgt cctgattcct cgtctttgac ccagtgtccc 180  
 ttggttgcta agtcaaccag ttctaacttt ctctggagac aagtcaggct gccctcccaa 240  
 acctccttcc taatgtcttt atacacaggc cctcttccat ctgggtcccta agatttctca 300  
 cccagcacct caggtgagat ctagtctgat gttgctgtac tttgtatact gctccaatca 360  
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 tgcattcaca atccagttg 439

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 <211> 612  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 aggcacatag gctgattaat cagtggacaa cagaagcaaa ctgctgctgg gttacatgtc 180  
 tacgtgatcc attccacagt ttttaggaatt ttttttcttt catagcatct tcctcttttc 240  
 aaattccttg tagatcgtgg ttcccagctg tgcaggagac atactgacca caactcctgc 300  
 actctgaagg gcagagatct tctcttttagc tccacctttt cctccagcaa taattgcccc 360  
 ggcattgaccc attcttctcc caggaggagc agttaaacca gcaatgaagg aactacagg 420  
 cttggaattt ggacctgaat tatgttgctt caaaaattct gcagcattct cttctgcatt 480  
 accaccaatt tcaccaatca atatgatggc ctctgtggca gaatcgttca aaaagatttc 540  
 gaggcagtca ataaaatctg ttccattaaa aggatcacct ccaatgcca cgcacaaaga 600  
 ctgccccaat cc 612

<210> 410  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<400> 410  
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 tagaggatac tgacttcctt cctggtcaca gagccctggc aaagcaaggc aaagccagag 180  
 ctcagaacct agagacttcc ttttgacaaa gcagcgcctc agaagctctt 230

<210> 411  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA488072

<400> 411  
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 ttcaattctg catgtcccag tttgccgctc cttccactga tttgcactta cactcatgac 180  
 gttctcttca cttgggtact ctgtgtac 208

<210> 412  
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<212> DNA  
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<220>

<223> Genbank Accession No. AA488432

<400> 412

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tgtatgaaat atagctacaa atatacataa agaattcaga tcacaaaact ctctaggaca 180
ttggctgggc gcggtggccc aagcctggta atcccagcac ttggggaggc tgaggcaggc 240
ggatcacaag gtcaggagat caagaccatc ctggctaaca cggtaaacc ccgtctctac 300
taaaaataca aaaaattagc cggatgtggt ggcgggcgct agtagtccca gctactcggg 360
aggctgaggc aggagaatgg cgtgaacctg ggaggcagag cttgcagtga gccgagaccg 420
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<210> 413

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488658

<400> 413

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tcaggctggt caagacaact ggaaggagtt gaataacatc tatccagtga gtcctgcaag 180
acttcaggct ctactacctc cagcagctcc ctgctgagcc tggggcatga gtgggtcttg 240
gtcttcttcc tcttcttggt cctttttaat tctgtccacg tcaagagcca agccaaggta 300
ctgttctctc aatgagtaaa cagcactgct gtagggtctg cctaagtcag gcagttcaag 360
ataacctgaa ggaatcgaat aacatctatc cagtgaagtcc tgcaagactt caggctcttt 420
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<210> 414

<211> 235

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488849

<220>

<221> unsure

<222> (1)..(235)

<223> n = a or c or g or t

<400> 414

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ntccccgagc taaacacaga tgacagcgac ccagggtgct ggaggcccg ggtcacctga 180
ggactgcaga agtctgcgc tccgctaact gtgtggacac gcggctgccca gggga 235
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<211> 399

<212> DNA

<213> Homo sapiens

<220>

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<400> 415  
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cccatctttt ttgaatgacg agattgtaaa ccagaaacca aaaacccaaa aacacccaca 180  
cagctgtctt atacttctgt aaccatttct gaacttaaaa ctctcttggt cgttacacct 240  
cattcattgc atcttagttt tagcttgta aagatctttt agtagctcta acatagccca 300  
ctagctaagt cttgtaaatg tgtataagct ggacatttgg taatattatt tttaaaaaag 360  
gaaaaggagg aataggtata cttattttaa acttattgt 399

<210> 416  
<211> 381  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA490120

<400> 416  
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acagttaagt aaaaaaaaaa aaaagttcct atttttaag cagcacactg ggaggtgtag 180  
ggaagaaagg acatgaagtc tggcatgtcc ttcaaaatat tcagcaaaga aaaaagggag 240  
aggaggtaaa acaactgtgg aaaactcttg gtaactacta agtctggagg atgggtatat 300  
gggacccatg gtactcgtct catgtctggt tgaaaatat tatgatgaat ttggtaacaa 360  
attcattaac tattaaaata t 381

<210> 417  
<211> 231  
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<220>  
<223> Genbank Accession No. AA490341

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caacgtgcgt gcacgctgag tgaggtctgg gcatgggaaa gttccgggcg acggtgggac 180  
aagaccgagt ctcaatggcc tggatcgggtg ttggggggga gaaggccact c 231

<210> 418  
<211> 237  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA490520

<400> 418  
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tttgacgct gcgattggga gagctgtccc gctgcatgcg ttccctctgt aatttctca 180  
gagctcacat acgtacctct ctcacgagtg aactcacatt ttccattgtt ttgcttt 237

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<211> 505  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA490667

<400> 419

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aaaaaaaaaa ccaacaacaa caaaaaacac cgcctttttg aaagagaaat gacagacaca 180
aaagactgta aagaaaatgg ggcgaaatttc tgatagcatt tccccagggg cagaggcaaa 240
accagatca gacctggggg cccaatagtg atgtggcttc catagtacgt tgttcaccaa 300
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ctgcaggctc tgcagccctc cacacggaca cagagagagt tggagatctc tcccctacga 420
ccctccagct ccatccagtg ctagccctt tctcctcca ccccatgggc ttgcttaaat 480
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<211> 439

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA490999

<400> 420

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gagttgaaag gacaaagaaa aaagaaaaaa aattgctttt tacgtgcatt ttgctgcttg 180
acgtcactca ataaacatgc gttaaattgca taaatatatc atgaggtaaa aatcggggga 240
aagggtgatgc attgatgctg atagaggaca ggcaaaactgc attccatttg gaccgcagcc 300
tctcatcccc ccgcccgcga cacaaactaa ggtcaaaatc agggagggag tccagggtaa 360
agttatcagt agagtcagct ctaggagcta tagttaatct attttaaaaa atcttaaaaa 420
acccataagt ccattatag                                     439

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<210> 421

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA495865

<400> 421

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ctactcaaag cccctgaatt gttgtcaact tccccctttg tgttgtgtag ccctaacgtc 180
atttagcttg ttgtctgatg cctccagtag gacacctccg atggagcttt gatttctgag 240
cagcgaaact cccttcctaa gatgcattct gcataggctg cctatgatga aggaccgtgc 300
acctccactc caacagagtg ctgagtttaa aagttgacct gtgtttgtaa tttcactttc 360
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<210> 422

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA496247

<400> 422

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tagggataaa aagaagaatg agatgaacac attacaatat gatgtaaacc actggtatgg 180
ttttcacaaa agtggaaaag atttaatcag tgaataaatg ctacaaattt gccaatcgat 240
ttttaacttc ccctaaattt atatttcgat aagcaatctc taagatttca actctacaat 300
atttgatgca caaaaacaca gaaaaatgtt ttaagggaag aataaattat tttaagttag 360
tcagactgtt aagatatatt taaaaacctg tattccagaa caaaagtcac agatgactaa 420

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cagaaaaaaa agaacgcacc tataatctggg taaacaaagc tatgtaatac acaattacaa 480  
taaattatta tggataaact ttggatactg ttatatattt 520

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<211> 650  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA504255

<400> 423  
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ttcatttcac atatatggag tccaaccaag atacatctgg catagtaagt tttcatcagt 180  
agcttcttgt ataaggtaat gcacatgtcc ttcaatagat aacggcagtc ctgtcactct 240  
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ttaatgaggt ccactaaaga gagagttcat caggatcctt gtgaggctat ttctcatac 360  
cagaaaaatca gatcaaggga agtacccttt gaagcacaaa cttcacgtta cttaaatgaa 420  
tttgaagaac ttgccatctt ttcatgtaca acttctccag tttcattcag tggcgctttg 480  
gaatgccctt tcaatgggtt actccattcc acaagaggat catgtagaaa agtctttaag 540  
acactcatta aaggctctcg ctgatcacgc atcagcctca ttgtaacttc acatgctctt 600  
cggaaaagac cctctgttcc cataggaccc attccattaa tcatattttg 650

<210> 424  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA504805

<400> 424  
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caggcggggc agccctcggc gagctacgga ttctctggga gatttgatag agctccatcg 180  
ttgccctcgc atcttcacc gagctgtgtc caagcaggct gttctggatg ctcttgtagc 240  
ggaggcgctc actcagcacc cgcaggagac acgcctgcag tggctccagct tggcctcacg 300  
ccacaacagc ctgtcagtggt acgtgtcgtg gattgtgtag ccgctcatgt cctctttcag 360  
tgcttggaag tcgtgcttca ggtcatgacc caccaccagc ttgcct 406

<210> 425  
<211> 351  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA505022

<400> 425  
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agggttagag ggaaagctaa tttatcacta caactctatg gtagctttcc atgctaaatt 180  
ttccctgcct cttttgtgat tttttgatat ggaagagtag ggggttatatc ttctctgtaa 240  
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gggctgagga gagtaactga agactggcat acagaactcc acctggagga c 351

<210> 426  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA505136

<400> 426

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aaaagggggg agaaataaat acaggattgg gtcattgta ataaaaatagt catctctaca 180
tatactttga tttttaactc ttcattgcacc tttttttttt tcaatttttag ctgaatggac 240
accaagctag gcacatagtg aaaaatcctc tgtacaagggt taaaaatgta atgacaagtt 300
tgtccatttc aaaataagat ttgtacacaa cacataaaaac ctttcattta gatcttgtgt 360
ttataaccta acaaatgaca ttccaggcaa ctttacaaaa gtttaactag cctacatttt 420
gac 423
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<210> 427

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598695

<400> 427

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gtttggccat gttccatcat taatgttcca acatcaccag ggacacaaaag ctcagcatga 180
gggcttctac ccaaattctc ctacgacagg tacttcttca actcttccac cacctcttga 240
ggctcaggga atttgagttt gcgtgggggc cccttcttaa tcccagtcca gagctccgca 300
ctgctgccgt ccgggcgcac agcgtcacct cgaagctgcc cctccgcgtt aacgtcgggt 360
tcacctttac tggaagctct ggggcctcca gggca 395
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<210> 428

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598939

<400> 428

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tgaaaactaa aatttccagc ccttgactat ctgtagttcc aaacatcaaa ggaaaattat 180
ggaacaattt atctatgtac agagagaggc aactcatggg taccataagc aaaataacct 240
gagggggaac atttgatatt acaagaagtg gtgagagttt acaagtcttg cattgctttc 300
tattgtacat ggctctgtag taatgccaaa aataacaaaa tgtaggcact tgctctggac 360
ttctgcagt 369
```

<210> 429

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598982

<400> 429

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ttcattttgc aaatttaatg taactctgat accaaaatat gacagcacac agaaagcaaa 60
caataaagca ggaacagcaa acagattttt ccatcacatg acaccctcag ctgattggcc 120
ataactgcct tgactgctgt gtggacaaaag attccaagga tgtaactttgg ctccatggga 180
aggactactg caatttatta gcggtatctg taaacatggg gaataaatct gaaacctcac 240
tagccatagc agaagccaca ggcaccaaga ctggcggtc cactgccaaa gccagcactg 300
gtgctcggtc caccaccaa gccagcacca gtgtttggtc caccgccgaa gccagctcct 360
```

gtgctcggtc caccgctgaa gccactgggtg cttgggtccac tgcagaag

408

<210> 430

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598991

<400> 430

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aacacacggc actcctcgaa tacagtcatc ctaaagcttt agttactgcg tggtaaggct 120
tcttaagtca cagtgtattc ttcaaggcct gggccaaaaa aagagacttc gagacaagat 180
gacgtcagat tacatggatc gctaataaac cgagctggac tagatccgac ttgatctaca 240
cacatgccac tactgctcag ggccactgcg ccacgctggc caaggggtct gcactcacgg 300
ctggctgctt taggtgcggc caaggtcgcg ttttctagag tgggtt 346
```

<210> 431

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599120

<400> 431

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aaaccaaaaa acattttttc attaaaaaaa gtatttagaa cacacaaaac aaggcaacac 60
ttattctttt ttctcatctt ctggtatggg atctgttggg ggctcctcca ctggtgcact 120
gttgctctcc gagccagtgt tactatcact gggtccttcc tctgccatac tgtcgacccc 180
ctcctgccc a cttccttgt cctcaggagt agacgtgcct tcttcacat tctgttggct 240
ctctgttgtt tcttcaagggt gtgtctcctc tgtctccatc ggaatgttct cgtcgtcttt 300
cttctcctcg cttttgttag ctgcttggtt ttctcagga acgatgctgc tctgactgcg 360
ctcagcttgc tctgcgccct ctttctccct ttctcctgc cttttgctgg cctgttcctc 420
tgctgtg 428
```

<210> 432

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599216

<400> 432

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tttttttttt tttagaaacc tagagaaaaa aattttatth aaagacacat ttttaagtaa 60
atgaagaaca ttttacttat ttttatgtcc agtacagtca aagcagccac attgcataac 120
cccgggggac ccccttcctc tttgtgatgc ccagaacaa tattgatttg attatagaaa 180
gccaccggca gcctacatgc gcaacggtga gttgttgggt atatacactg tggaccatac 240
agtggaaat atacagtcaat aaaagggtatt ttttagagaga aaaaaaaaca ttggaacacg 300
cttatgat ataatgttaggc aaaatcgctg ttatgaacag ctggtttggg gcagagcaaa 360
tcctgggaag taacgctgag gctgttgggt caggcagtgg agtacaacat cttcgagggt 420
atggagtgcc acggctcccc actagtgggt atcagccagg gcaagatcgt ctttgaagac 480
ggaaacatca acgtcaacaa gggcatgggc cgcttcattc cgcggaagg cgttccggag 540
cacctg 546
```

<210> 433

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599331

<400> 433

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gactgtgagg aatTTTTtatt ttcttttcat gttcactaat tgcaagcttt cttcatttcg 60
gtaatatcta aaatgatctc ctcttgctcg aggtagattt tcccagtagc ttctaactcc 120
tgaccagaa gcggtgtatt gcgcctcagc atggaggagg acgtgaaggc gtacggagtc 180
tgggagtagt acaccacgta ggtaggtttg tactggtttg gctttgtgta ctgtgttccc 240
caggcaattc gaatccagac tgcattctcc tcagtttctc tgaagctgac tgtcacattt 300
tttaatgctc tctgaagaat tttc                                     324
```

<210> 434

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599365

<400> 434

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tcacatgata gttttaatat ttatttagca gaggggtaaa ttgaaacatc agttctctag 60
accagtcagg aaatgtatgc tttgtgcttt ataagcttac attcaacata gatgacataa 120
gttaccatac tcaaagttaa gatagggaga ggtagaagaa atagctgaga acttgaaaag 180
atgtactgtt attgtcaaca aaccaatgtc ttctcccttc ataaaattgt gtttagggaa 240
tattaacaat taagcttgta tacaatagta a                                     271
```

<210> 435

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599376

<400> 435

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tctccagtga atgaatttat ttttatgctg gaaatccttg ccttgaagtg aagacagttt 60
caagcctttc taagcagtta ctgtctgttc acacaaatac aatgccagct gagtgtgctt 120
cgccgagaca gcaccagga ttccagcaca gggaattgaa aacagacacc tgcaattcat 180
ttccctgcac agcctagacc aaactatgct gtgatgagca ttcccagggc agtgttttga 240
ctgggtgtgtg ggtggcatat tcctgcagaa tataagatta ggttatctta taatagacat 300
aataacagaa gattcattca accagcaaat atttattaaa tgtctacttt gtgctaggta 360
ctcttctagg tactagggat atcacagtga acttaagtct aaaaattcc                                     409
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<210> 436

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599443

<400> 436

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ctgtaatagt cagcatgacc tctatTTTTt tgattgattg atggattgat tgagacagag 60
tttcactctt gttgcctaag ctggagtgc atggcacggg ttcagctcac tgcaacctcg 120
gtctcccagg ttcaagcgat tctctgcct cacactccca agcagctggg attacaggta 180
cccgccacca tgccaagcta atTTTTgtat ttttagtaga gacggggttt caccatgttg 240
gtcaggctgg tctcaaaact ctgacctcag gtgactgccc accttggcct cccaaagtgc 300
tgggattata ggtgtgagca ccacaccga ccagcatgac ctttaaacac aattggactt 360
aagac                                     375
```

<210> 437

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599522

<400> 437

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tttttttttt tttttttttt tttttttttt tttttttttt aaaaaataag gagggagctt 60
tatttaatat gaaggttgag gcagggccgg ggcgggaggg cgctgtcact tggatgatgg 120
gttcgcgttc atgctcttgc cgctgccgct gagcacgatg taggggggtct tctgagcctt 180
ctgcttctcc tggagcaggg ccacggtgcc caggggagtg tcgctggagc tcattcttct 240
caggagcgcc tcctcgcca gcttcttcat ccgccgctct gtcttcatct tgcctgagcc 300
cttgccatgg aagcggg 317
```

<210> 438

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599661

<400> 438

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gaaccatttt tctgttctct tatttattga cagtttcttt taattacaac acaatgaatt 60
gatggtaaatt acagaagatg caatagtata aaaagccatt taacccttcc ctaggttaag 120
acacttacag cagacaaaaa ctgccccacc cctaattcccc tccttgaatg gaaacaaaat 180
aaatataaat taataaatac aaaacaaatc actgcacagc ccttaa 226
```

<210> 439

<211> 273

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599662

<400> 439

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tttactctaa gaatttgtct tatttttaat gcatggaaaa tagcaaaatt atcatgcca 60
catgaggaat atatactata attcataaat gcctaattat caaaataatg acatagtc 120
ggtagatgc aacctagaaa tcttatataa gatgcaacta catattgtat gatcattcct 180
cttatatatg acattcaatc ctcacaaat tcagctatga ataaatggca ttatgaaata 240
aacacttaat atcacaatag ggcatagtc tgc 273
```

<210> 440

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609006

<400> 440

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tttttttttt tttggcctgt atctcataat tatttttatt tagaggaatt tggtagtggc 60
gggggtgggg tgggaggtgg tgtgtggacg gtgtgaattg acagaaacaa ttccctaca 120
ccaaaataca ggtatgtttt cattctctat gccctaaac accctccctg cagctatgca 180
acgagcaatt caggggaaga ggcttcttta catagacccc tgtttttggg gttttgattt 240
acttttgtgt atagagttga tctgtccctc ttccattgg t 281
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<210> 441

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609027

<400> 441

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ttttgaacat gtagctcact ttatttttccc caaagatgtc ttgaaatttt aatcagttca 60
gtcatcccta tctttcttct tacatattaa tcctatagat tagtgactct tgtataagac 120
aagaaaaact aatgtgcttg tttgatataca gcacagatca gtctctaagc agaagtgaac 180
atatgggaaa atgagttgga aaggaaaaatg ttatagaaaa tagtaaagac aaaccatggg 240
accacctttt ctcaagtgaga gatacattgt cgggggcaga gtgctggaga gctgggcaga 300
gaggaacaaa atgtctgaca gcaggagccg gagcccaggg aggaaaccag atggaaaggg 360
ctctgctcag actgactcaa tgtgggcaca tatgggataa aggacatcac agagaactca 420
ggaacagaaa ccacactgaa atagagggat ggggagacat gctgggc 467
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<210> 442

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609309

<400> 442

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atattttggc aatgacagtt taggttaaact ctgtttggaa ttcctaaaaa taaaaagaaa 120
tcccttaaaa aaggctgaca aactgaccac ttggccttga atcgactgtt agggtcacac 180
ctgccaatgc caggggacat cacaacaaaa tagagaatgc caagataaaa agttcactgc 240
attcaatttg gcctaatttc ttgataatag tttcctatta gattttccga ttaataactga 300
tggctcttac ctaggctgtg ataattaggt tttgatctat tgtgacatta atgatcaca 360
tcagttgact ttgaaattgt cttaattaat ggctctttc 399
```

<210> 443

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609312

<400> 443

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cgcaacgtca tggttatggg tggctgggtc ccagtcagtc tcgtgtggca gtcgggacct 120
tctacttcct tgccttcgct ttctttcctt tgctcgctct ttggggcttc agggcttcct 180
cctggcctgc gtggctgggt atggggggcg ggataggggt gggggcggtg aggttcagag 240
tcttcttctg aagcttcagg tccaagatgg cgaatgtgtt ctggatctgg cgctgcagca 300
gtcctgcag gagctccatc tgggtgtgga ctgcctggca gatgaggctc tccaactcct 360
gtctctccag gacctggcgg ggctgcg 387
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<210> 444

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609504

<400> 444

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gttggttttt ttttctttta aaataagact ttactgaata tatcaacaag gtactgtata 60
gtgtagagtg aagtttgtca ttaacaaagt gtgcgacatg gtaggtctca gaggatgtgt 120
gatgcagaat ctttcagccc cttatcagag agaacacact aaacagaaac cagaagcaaa 180
tcagcatatg gttcaaaca taacaaatca tcagggttaac tttcagtgaa tatacactag 240
tcctatgagc gacacacact tggcaatgcc ttcaccttgc cttaaacatt ataaatctta 300
cattccaggg acacctttac aaatgccctt gtttgtgtgt gtgtgtgtgt gtg 353
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<210> 445  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609645

<400> 445  
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 gggggcaggg agagtgcagg aggggtcagg gtgagcagtc cgggcccggg cctggagggg 120  
 gctgaggctg ccgtcgtggg aggggcttgg ctggcgaggg cgggctgcct gtggaggcct 180  
 tgaagctttg ccagcagctc ctggatgaag tcctcgacag gtttcccaca tgacttcagg 240  
 agtccctgga ttttccggct tctctcctct tcaactctta actccaacaa ttcataaatg 300  
 ttgatctcat cgggcatgtc tgctccatg ccgcgggtaca gtcctccag gcgcccgtcg 360  
 atccacttct ccacgtccag ccgccgtgc agtccccgcc ggtcatactt gacgggtgacg 420  
 cgcg 424

<210> 446  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609657

<400> 446  
 tttttttttt ttgaaagctg agaaatgttt attcccagaa gacagtgggtg acacgatgtc 60  
 cagccacctg tcagccagtg atgcagggtt ggtggctctg aaatgttagg tctcccagcc 120  
 cggacacata tggctgtctt ctgggtgactg tttctctcaa actaaccacg cgggtccatt 180  
 agaagctgcc atgctctcag aggagcccc gccacattct gccagcctca gctccagagg 240  
 tggtgctgac ctggggggat gctgcttcct gcctctgtgg ctttgcatgt tctggatgtt 300  
 tcattccaat ggagtcatac ggcatgtggt cttttgttca aatccagttt tagggcagtc 360  
 ctggagcagc actcaccact cagtcagagg tggttccct ctgtgataag gtccccct 417

<210> 447  
 <211> 156  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609848

<400> 447  
 tttttttttt ttcattcaag gagcatttat tgatcgtcta gtatgaacca gccccagtca 60  
 ccaggcattg aggaaatcat tggtaagtaa aagaggcaag ttacctctca acacagattt 120  
 tgttttttaa cctcacagtc ttgcagggtg cattgt 156

<210> 448  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609869

<400> 448  
 ttttcatacg attggtttta tttttttttt cagcaggaga aaaaagaata aagttacaag 60  
 attcttttaa tattttcaca atgttaaaac taaaactgag ctctaggcta tgtgtgtaag 120  
 taaatctaga acacaaaagg gttaataaag attttctctt ttaaagatac aagaatttaa 180  
 gcttttcctta catttaacaa acttcacaga acagatactg caggggaaca agccccaccc 240

```
cccaccaccc ccagctctaa gtcaggaagc gaacatgggc ttcgctcccc caggccagct 300
cccctgggct ccttcccatg gctgcctcca cgcagcaggc agaggagggg gcggggggggc 360
tggggagggc                                     370
```

<210> 449  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609943

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<400> 449
tttttttttaa atttaacact ttcaaacttt attatcagta cagtcaaagc aatacaaagt 60
tatatggaac taaattaatc tagaaagtag atttttatat cattcaagat aaggagaagc 120
ccagattaaa tatataaaat tgttggttatt tacacagcta acttcccgtt ttgaaaacaa 180
tcccatacgt aaatttcttt tttggagcaa ggtaacttgg tgattgttct atctctaccc 240
agaattcacc cctatttggg aaactggggg ctaaaagcaa tcagaattca ccagttcaaa 300
aacacttacg tccatcttat tagcaacact aactaccagc aggaaactaa aatagaccag 360
atttacagca gtaagta                                     377
```

<210> 450  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA610070

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<400> 450
tttattgaac acataaaaagg aagtatatatt aaaaaaatt ggtcaaactg tcctgttagt 60
tatcatttta aaggaattta cagggctggt atagatgatt cttttggaat atttcagttt 120
atagcaaatt cctaaactgg tttcttcatt gcacagtatt ttctcttaaa atgggtgctt 180
taaaacaatt acatacagat taaaaatcat ttctttgctt aattaaaacg ttaatactct 240
tagacaacac agatctgaaa tggtgaaacc agcaattccc cccacccac cttacaacaa 300
attaaattga gacaaaatta caaacacatt tcactacatg attattatta ataaaaatca 360
gtttc                                     365
```

<210> 451  
 <211> 487  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA620289

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<400> 451
ttttttttttt tttttgttaa gacaggaac acatttattg agagcacagt ggggtgcgcc 60
aagccctgtg ctttggaacc gcatcacagc gcccctcaca acagccctgt gaggtagggtg 120
aaggagccca cttcccatg gcagacactg aaggctcaac agctccccta ggcctcaggg 180
ttcctgcggg gtgggcaggg gtccagccca cgggtctgac cccaggtcag cggcgtccat 240
cagtcagagg gcgggtctct actcaagggg agggcccggg tccagagtct ctgggtccag 300
cctgtcccgt gggaatagggt gcagggtgtc cccgtggctg tggagggtatt tcgagctgga 360
gaggggctgg ggtccacatt cgaggctcct tcccacgtag gcatccaggt gatggcttcc 420
gccaaaccag gaaggagacg agaggccgc caggaagaag acttgggtcc gggatgggtg 480
gcccac                                     487
```

<210> 452  
 <211> 303  
 <212> DNA  
 <213> Homo sapiens



<220>

<223> Genbank Accession No. AA620461

<400> 452

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aatgttgcac aacaatgttt atttagtttt acatttgttt acaatttctt ataaacactt 60
cattataatt gttttataca aacaacagtt taaatttact tatgtttatc atttatttgc 120
ttactagttt ttcaatttca gataatcctt ttagaatcat ttcccttctt gaagatcatc 180
cttttgtagt ctctttactg aagttgtgct gaggataaca tctgtttttc atctgagcat 240
ctgtttgttt cagtttcgct tgttgcaaat tctaagctaa tagtttttct cagaattcta 300
ccc 303
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<210> 453

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA620806

<400> 453

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ttttttttaca gagaaggcta gttgtaaaca taaacattct cactgaacta ctggccccc 60
aaaacctaac ctatctcaca atcaataatc atcttttgac tataaaatca taaaaacttg 120
tactctgtgg ctcttttgct tcgatgattt ttcagagaaa aaaattagct gtggttaagta 180
gtttcactga tttatccatc ttgaatagct gccagttctg gaacttcata catcctcaga 240
acgtcttcat agagcaaata attatgtagg cttctgggaa gtggcagctg actaatataa 300
ctgtcagacc gtagacgttc tgattttaga ctggaccgaa tttccaaacg acaaagatgg 360
gtcagggatg gaacagtggc aatatgttgc tgtagaatcc aagcgtttga g 411
```

<210> 454

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA620825

<400> 454

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caaaaagact tatttacaag ttgagcatgt catctcaatt catagcatgt agaaaaagct 60
aaaaatgttt tggagatata aatttggtctg gacgactcac ctacagtata ttcagggatg 120
tcttctgtac agaatatata caggttgga ctggcaaggg aaatcctatc tcaggaaggc 180
gatgaacacc accacagagc cacagaccct tagcaatgtt ccctggcttt catttgcagt 240
tggccttgct tctggacaga gtttgatgtg ctgggac 277
```

<210> 455

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621325

<400> 455

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tttttcaggc ttggcacata aattttattt aactttcaca ttgacacaat caggaaacca 60
ttctgagaaa aggtagaggc cgccttgaag cgaacgctgg ctccctcctc cccccgggc 120
tcggcgccac catgcaggct caggctggca ctcatcccag gaaactgtcc cagttctcag 180
cggtcctggc tgtggacggt atctgaaatg gtcgctgcgg cttgccctgc accagggcct 240
accttggtgc caggaagccg cactgctgga ggctacctgg gcgctggggt ttattgctgg 300
tgaacttggc taccacactt ccagtcacat ggtccaggat ggtgggtgtga tcagaaatgg 360
ctctggcagt gccattttgc tgagatgaaa ggaatcgaaa tgtataaact aactgaatt 420
ctgtgatgct g 431
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<210> 456

<211> 464  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621367

<400> 456

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tttctagttc ttgactttta tgccttggga gtgtactgag gctcaatata ccaaagcact 60
cacagacagg tacatgaact cacacaggaa gtgttatagt gtgtacataa acccaacacc 120
atacagaagg aagacgacgg acccagggtga caaaacttct cgggacttcc tgggtcaagcc 180
ctagctatca gcctcaagga aagactacca tgccttgagg aaaggccagg tgagcgctgg 240
ctggagtgcc tgcaggccgc aagccctgag cccaacctg aggtgcagtc agggagattg 300
gagctacacc tctgtcccct gggagctgtg cctcaggatg ctgttctcac ctccggcagat 360
tctggggcag tcagcagccc cttcagggat cttactocca gagccacca gcaaggtgga 420
catcctccct gatgggactc tcgcctaccg gggctactca ccac 464
```

<210> 457

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621634

<400> 457

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tattgtataa aaccgagatt cttaaaaaca tgttttcttt ggcactttca ttccctccct 120
cccctttccc cagcatattg caaaaagctc tccagtgtca aggcattggc aggggtgtgta 180
aacagcagcc agcatatgtg gaagaataat acaaagcttt ttttttctt ctaatatgtc 240
tgtgcagcaa gcataaataa caggaccat tccaaggagt gtgtgtgggt tttccccctc 300
ccctgtgtcc tctgtcacct tggatgatgag gccagagtga tgtgaagact gggaggggaa 360
c 361
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<210> 458

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621695

<400> 458

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gattgggtgt ttttctatg ggtgttatca cctagctgaa tgtttttcta aaggagttta 3060
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<210> 465

<211> 1601

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AF141349

<400> 465

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```

<210> 466

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. C02016

<220>

<221> unsure

<222> (1)..(330)

<223> n = a or c or g or t

<400> 466

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agtcagggca actttcccca tacaggaaan cttgaaaatt acancaacag tctacgtcac 240
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```

<210> 467

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. C14898

<400> 467

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gamtggagaa amatctagag tgactatttt agatgactgt agagggcagc aaagcaacag 180
tagtatcctc aaagaaaaac atgtatttbt cttagggaac ttcaaatttg ttttatattt 240
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```

<210> 468

<211> 287

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. C15965

<400> 468

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gactgtgcac taaagtgggg gctttaactg tagtatttgg cagagttgcc ttctacctgc 240
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```

<210> 469

<211> 146

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. C20547

<220>

<221> unsure

<222> (1)..(146)

<223> n = a or c or g or t

<400> 469

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tttttagagt tgagttccag agagggcagg gcaatggcag tnacatgttt gtcattttta 120
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<210> 470

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. C20658

<220>

<221> unsure

<222> (1)..(394)

<223> n = a or c or g or t

<400> 470

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cagatttcag aacatgtgtt aatagtatat atgccactga aaacttaggt cctgtatcan 180
ncttttttntt ttaagacttt ttaagaaata ttacttaaac atgtggcttg ctcagtgttt 240
aattgcaagt tttcaatctt ggactttgaa aacaggatta aacgttagta ttcgtgtgaa 300
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ngtaaaaata aagtatctct gacttttctgt tacn 394
```

<210> 471

<211> 2589

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D10522

<400> 471

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cacgtgaagg taaacggcga cgcttcgccc gcggccgccc agtcgggccc caaggaggag 540
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```

<210> 472

<211> 1929

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D10537

<400> 472

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catttcag 1929

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<210> 473

<211> 121

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D11789

<400> 473

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```

a

121

<210> 474  
<211> 332  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. D11824

<220>  
<221> unsure  
<222> (1)..(332)  
<223> n = a or c or g or t

<400> 474  
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<210> 475  
<211> 404  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. D11961

<220>  
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gtaatgcttt actaagtagt gcaatgaatt tttattttta atccctgtgc ccnatttttg 360  
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<210> 476  
<211> 4211  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. D13628

<400> 476  
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 <223> Genbank Accession No. D51069

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<220>  
 <223> Genbank Accession No. D52692

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 vvrcvcagtg tggracaaaa taatttaaata tatgggttaca atctactgaa graatatcca 240  
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<220>  
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caaataatgtt gtacaaaaat acaaagtttt aaaagctctt taagtataty ccatattaty 180
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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D60755

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cgtgaaagga aagtgggttt tccgggatgt gggggctttt ctvagcactg ggtccactga 240
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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D62584

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<211> 482

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D62965

<400> 502

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<220>  
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tccaggcact	ttgtytctyt	tcctccgttg	tcctttkata	aacaccaact	ggcagagggg	240
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aattttwttka	ktcacatact	tyt				383

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 <211> 328  
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 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. D80063

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<210> 506

<211> 377

<212> DNA

<213> Homo sapiens

<220>

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gttgcccggc ttttgggccc caggtcctag gcatgactgg tggtcaccaa tttggccctt 300  
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tcctgcagcc cggggga 377

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<211> 225

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D80298

<400> 507

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<210> 508

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D80617

<400> 508

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taaaagttat aaataagggg ctttcaaaaac agggcggggg caaatctgga gtggggcggc 180  
ggttgcccgt ggcctcagac atgcagaagg ggacggggcg ccggccgggc cagcaggccc 240  
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<211> 351

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D80738

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<222> (1)..(351)

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 <213> Homo sapiens

<220>  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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<221> unsure  
<222> (1)..(493)  
<223> n = a or c or g or t

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<220>  
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 <213> Homo sapiens

<220>  
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<220>  
<223> Genbank Accession No. F04019

<220>  
<221> unsure  
<222> (1)..(261)  
<223> n = a or c or g or t

<400> 529  
cctcttcata aaaaaatatt tattagtttg aacatcgatt taaaaaaaaa tcagtcacat 60  
aaaaaaaaacc cttcatgnca tgtcttttcc ctccacgcct cctgagatgg acgtgctcac 120  
ctgggcctcg gaaatccac actcttcagt cggcaaacctg cgaacaagaa caggaaatct 180  
gccacgcgca aacacttggg gaggtcagtg ggacactgtt ggtttttaggg aagaaaatgc 240  
ccctgtagct ccggcgggga a 261

<210> 530  
<211> 335  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F04112

<400> 530  
aatagagatg ggggatctca tcgtcaccca ggttggaatg cagtgatacc atcacagctc 60  
gctgcagcct ccacctcctg ggatcaaccc ctacctcatt ctctgactg ggactacagg 120  
cactcaccac cacactgggc taattaaaaa aaaaaattct tttttgtagg gaagtgggtct 180  
tgctatgtca ccagggttga tctagaactc ctgacctcaa gtcacccgtc cgcattatcc 240  
tcccaaagtg ctgagattac agacgtgagc cactgcactt ggccatttta gggcttctaa 300  
ttcactttcc ttttccttct tgtctaattc ttgtg 335

<210> 531  
<211> 178  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F04492

<400> 531  
gtagagacgg agccatccat gtttcccagg ctggtctcga actcctgggc tcaagcaatc 60  
ctgccgcatt ggctctctca agtgctgcga ttacaggtgt gagccattgt gcctggccaa 120  
aatgtgtatt tttaatatgc tgctgagttg actcttgtat gatcaggagg agcatttg 178

<210> 532  
<211> 211  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F04816

<220>  
<221> unsure  
<222> (1)..(211)  
<223> n = a or c or g or t

<400> 532  
gatgtaacat ttgtnatttt attggaaaaa gctgggtatta acatatttat agttttattc 60  
aacaattggg taatttgtga gacaccaaag aaaaaaagaa tgcacctatg agttacagag 120  
tccaaactga tcagggtgca caacttgacc accatgtntc ccacaccacc acccccacca 180  
ccaccaccac caacagcttc gtcctcagag a 211

<210> 533  
<211> 276  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F09281

<220>  
 <221> unsure  
 <222> (1)..(276)  
 <223> n = a or c or g or t

<400> 533  
 actgttttaa tataattgaa gtttttnata tgatgaagtg ctccataatt taaatgtaaa 60  
 aaaccaatag gaaatatatg aaataaaaata aaattatacg taaaagtgac aatgcctcta 120  
 ttagatttaa cagtatctta caatagaata agttgaaacc tacaaaatgg aagaaagttt 180  
 aaaattaggc agatattatc ancctgggtga agaataaata catatgtcaa taagcattta 240  
 atgtatttgg tcttagattt tacatgaaat aataaa 276

<210> 534  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. F09315

<400> 534  
 acagaaattg acctttatctt gttgtactaa agcctgttta acttttgata caaagtaaca 60  
 ttttagtaca gaaaatccca gtctgtcagc tcagtacctg tctgtgcaca ctgtaccatc 120  
 tcagtcccac tctgcctgta acttagaaaa cagcccctac cccagagggt ctgagagttt 180  
 ataccttgag aatagtctac agtttttcat agtttgtctg agctagaaaa cttgtacctg 240  
 taaaacaaag gacagcattg aggactgaaa cttgtctctt ttttgaacaa ctg 293

<210> 535  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. F09684

<400> 535  
 gctttacata aacttataag gattttttat ttaaaggatt taaaaatata acacagtcaa 60  
 tataaacatg tactgggaat tataaaccat tctttcttct aagcactgga tgagatacta 120  
 aaaacatata gtatcttacc aatagccatt aaaataggct aaaatgaaaa agaaaccggt 180  
 gtaacaagggt tactaatccc ccaactttca atgc 214

<210> 536  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. F09748

<400> 536  
 gaatgaaaga atccagcaga tatttatttaa gcaagatgaa agtgaaatta caaacacagg 60  
 tcaactttta aactcagcac tctgttggag tggagggtgca cggtccttca tcataggcag 120  
 cctatgcgag atgcatctta ggaaggaggc tttcgctgct cagaaatcaa agctccatcg 180  
 gaggtgtcct actggaggca tcagacaaca agctaaatga cgttagggtt acacaacaca 240  
 aaggggaaag ttgacaacaa ttcaggggct ttgagtagtc aagacaatta gcttagtact 300  
 tcagggtcaat aaatgctaca atttatgggc aa 332

<210> 537  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. F09748

<400> 537

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gaatgaaaga atccagcaga tatattattaa gcaagatgaa agtgaaatta caaacacagg 60
tcaacttttta aactcagcac tctgttggag tggaggtgca cggtccttca tcataggcag 120
cctatgcgag atgcatctta ggaaggggagc tttcgctgct cagaaatcaa agtcccatcg 180
gaggtgtcct actggaggca tcagacaaca agctaaatga cgttagggct acacaacaca 240
aaggggaaag ttgacaacaa ttcaggggct ttgagtagtc aagacaatta gcttagtact 300
tcaggccaat aaatgctaca atttatgggc aa 332
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<210> 538

<211> 247

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F10078

<220>

<221> unsure

<222> (1)..(247)

<223> n = a or c or g or t

<400> 538

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catgccttga ggaaagctat ttattttccaa gatatagact gtactttttaa gacaggactt 60
ttcagaagca ggaaatttta gttgttgcca gagaggtgtg tcaaggacac agtgaaagga 120
gccatgcgga catgggggtg aaggctttnt ccaacactgt tacaacactt ttgtaaatga 180
gcaaaacatc tttaaaaatc cttataaatt ctttataata tgttacacat ttagagacaa 240
tatttac 247
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<210> 539

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F10193

<400> 539

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aacataagtc gagaatttat ttgggccaaa tttgggggact gcaaccaagg agacacagat 60
tcaagttgcc atgaatatat gctttgatta gcagtagtac aagttggctt tcaataactca 120
tgtctctctg gatctgatac attttgcata cctcacatag ctcagacatc tctgagctac 180
tttccttctc atttcccctt tttgattgag atcttcctct tctgaaagca ttgataatca 240
acatttttaa cgtagctttt ccccatattg ctaggaaggc tcattcccgg gtaatctctc 300
tctacattgg agggaaagag gagaggcact acagcttaag aatttagtga agtcttaggc 360
taaatt 366
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<210> 540

<211> 179

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F10323

<220>

<221> unsure

<222> (1)..(179)

<223> n = a or c or g or t

<400> 540  
aatttataaa tgctttattg aaaaatacac ttatcttcat ataaaattac agtagcagta 60  
tcttgagaag ttttataaat atttttgcag acactattct aattgaacaa tgtaagtncc 120  
atatttctct cagcaatatg aagtnoctag taacttngtt tatactgatt caattacaa 179

<210> 541  
<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F10980

<220>  
<221> unsure  
<222> (1)..(256)  
<223> n = a or c or g or t

<400> 541  
gacttaactc aggcaacttt tttttttaat ttnccctttt cgtatttcct agttatagat 60  
ggagtttgca ggtcttaggc caatcttcaa tacaaatnct ttggagcaga ttttaattgac 120  
agccctgtcc ctttctcagt catattacaa aaagaagcat acacttaaca ccaatgaccc 180  
gtcaagatgc ttaaactggt acaaccagtt tccattaaaa aactgagaag tacataacac 240  
gcagaaagga agcaag 256

<210> 542  
<211> 243  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F13763

<400> 542  
tttttttttt actttaattt ttcttttatt ttcactgaca gaaaaatttt ctggagagta 60  
caatcaagat agtgtattat tagaaataac attaatagaa gcttggtcag aaatgataat 120  
agtcataata agcatctctc tcaccaaggc attccacaca gagagatcac agcacataaa 180  
ataaaggatt tctcatttgc cacacaacaa ataaaacaat tgcagtaaca aaaatatgac 240  
ttt 243

<210> 543  
<211> 342  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H01068

<220>  
<221> unsure  
<222> (1)..(342)  
<223> n = a or c or g or t

<400> 543  
taacttcagt ctcaatctta cagtcacact ttgaaaatac attctgtata gatactaact 60  
aatgcaaaga cttatatatg tattgttcat tacagcagtg tttgtagaag gctaaaaaca 120  
acctaaatat ctgtcaatag aaaatggnaa aataaattac ggaaaatgaa taaattatgg 180  
ttcatctaca ctagcaaggc atgcggtnc ttttttaaaaa agtaagaaat atgtgtctaaa 240  
tacaaaanga tcttcatatg ccaaaggata aggaatgaaa ggatacaata tatttctcct 300  
aggncatatg gtggattgga atatggggtg cttgggattg gg 342

<210> 544



<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H01824

<220>  
<221> unsure  
<222> (1)..(415)  
<223> n = a or c or g or t

<400> 544  
attcacaana annnnntttta ttatttcttaa cagtactcac tttaaaggaa taagaggata 60  
gcatacattt tttacagaca atatataaat gttgtacata attaacaata acttagttca 120  
ctaataccaaa ataaaaacaag ccaaataaaa cataaaaaaca gaaaataactg ccgnttcttt 180  
ttcttatgcg ggacactagn tacaaaataa gttacttctg ggccgtgggt gctccctgca 240  
ggcgactgcc cgcccatatt gcacttgggt cactaacatc aggcacaatc ctctccggg 300  
ggccggggcc cttcancag ggcccaccac accccgccgt tcaccggcat tacaggaatc 360  
ttaggcttgg gggacagggt tattattaca gctgttacct tggggggngg ggttc 415

<210> 545  
<211> 309  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H02308

<220>  
<221> unsure  
<222> (1)..(309)  
<223> n = a or c or g or t

<400> 545  
tgatagcaca ttttagtttt taataaaatc tgctttttac ttatatTTTaa ataaattgcc 60  
cagttactga atcagaagca tttcttaca agcaaacaaa ataagcatcc cttctatggt 120  
aataacatgt taatagtatg ttggcaagtt gatttagaac aacttgccaa caatacaaac 180  
agaaaaaagg agtgggtcaa agaaatctag tttggcttta ttttcaatag atcatactgt 240  
ctgttgaaaa aggaataaat aattatggag cctatctaata aatatactca atagnttgaa 300  
attattgag 309

<210> 546  
<211> 277  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H03387

<220>  
<221> unsure  
<222> (1)..(277)  
<223> n = a or c or g or t

<400> 546  
acgcaagtta gannanttat tatgataact ctgcaatctt ttcagccact ctttaagggt 60  
cctgggcac cattctgggc acagtgtgac atttacctga acagagagga gantggcact 120  
agaagatgag ggagatttgg tgcctaaaaa ttactacaaa caggcagggg gcagtggctc 180  
acgcatgtaa tcccagcact ttgggaggcc gaggtgggtg catcacgagg tcaggagttt 240  
gagatctgcc tggccaacat ggtgaaaccc catctct 277

<210> 547  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H05084

<220>  
 <221> unsure  
 <222> (1)..(372)  
 <223> n = a or c or g or t

<400> 547  
 tttttttttt ttcacagtga gcattaaatt attattccat acagccctgg ccctggccct 60  
 tcttgaggga gtgggggttn tggggtntgc ccagcaggga tcctgccaga tgatgtccac 120  
 atgagaaggc aggtgtccaa cagcttcagc ttcacccagt gccccccaga caaataatga 180  
 caagtccagg gtcttctgat gtgtcaggcc agcaactccc ttgctgatgg gaaaaccggg 240  
 gctcggccag ccccaactga tcccctcaca tgatgatacg aggctctngc actgactcgc 300  
 caatagactt gtggggcagc angctggctc cggttgaggta ggagctcatc attaactatt 360  
 gacgtcctnc ac 372

<210> 548  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H05625

<220>  
 <221> unsure  
 <222> (1)..(353)  
 <223> n = a or c or g or t

<400> 548  
 tttttttttt tttttttttt gcttcacaaa tgtcaatttt attgacacta gtgcacaact 60  
 aaatacaata attgcaaagg aagtggaaagc tgttcaaaca gaaatgggtga caatgagtta 120  
 gaactgcagt tntttcaagg tactacacta ttatttataa aaaaaatcac aaanagaaaa 180  
 atgttatcac tacaagtagg gatttaggaa gngagnaaat tctgggcagt ctgtctagna 240  
 ggggttaaaac atttcatggc atttgtgagt tgctgttgga gagttgtttt ttatttgtcc 300  
 accgtaatct gggcaacatc cgggggctta ccttcagctc tcggcactgt gcg 353

<210> 549  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H05704

<220>  
 <221> unsure  
 <222> (1)..(501)  
 <223> n = a or c or g or t

<400> 549  
 tttttttttt cttctgtagt cgtctttatt tagagcagaa ttcagactca gctgggtatcc 60  
 cccaggggcaa cccaggatg ggganagggc tgggtctgtcc ccacccactt ctccaggatc 120  
 ctcccagccc ccaggctgnc tttccctcc aactgtcagc tgcttagctg ctcatctggg 180  
 gattggagct ggagcatctg tcaaggttgt ctcccttgaca aacagcttcc tctttggaaa 240  
 tggcttcact caggtcctgc aggtcatcga gcaggacaga gagggaccgc gggaaggaag 300

acagcagatg agcaccagac aaggggaaggt gctcgtgggt acagagggaa acaggggttg 360  
gcacagggaa atgaggggaat ggggagagag ggaggctctt tgggtccaag ctggggcatc 420  
ncttaaaaga ggtttaaggg tntcgaagga ccncagagaa caacattctt cntgcgagat 480  
ttttaagagg gagttttctn a 501

<210> 550  
<211> 465  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H08548

<220>  
<221> unsure  
<222> (1)..(465)  
<223> n = a or c or g or t

<400> 550  
ttttttttca caaatattgg cttggttttt atttctatgc ttataaaaaa aatatgaagc 60  
ttctttgtgt ggactgaagg ggtgttagcc tgtggatgtt ggtcttcggt gcctgtaccc 120  
cagtggctgt ttacattcca ggnccctgct aaataaagna ggctccactg ccagctgtct 180  
gtacactttt tcttggggga agagtctctg tcttcagttt actgcagtag ggttcctggc 240  
tctgttacat gtcctatgtt tccggaagaa catatgaaat atcatccac ggatgacgat 300  
acagcccctg cttcagcctn ttctgatcaa gatagtntcc aatgaacccc atactccttc 360  
ccagcacaaa gatgccattg agggctccaa tgtcaatatt attgcatcag cttcctcccg 420  
agtaaaggga cccacagttt tttaaggatg ttttacaatt gcgat 465

<210> 551  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H09077

<220>  
<221> unsure  
<222> (1)..(396)  
<223> n = a or c or g or t

<400> 551  
tttttttttt ncaggaaata atatttntaa tacaagtgtt caggctttca atagttaact 60  
atttaatat tatatagatt gaggtgacta aagaatgtgt tcaccaaaaa aggcctaaat 120  
tcattaagac agtctctgtg aaaaagggtt gttaaagggt atgagaaaag ttactagatc 180  
tgcattttta aaataaaaaat gactttctga gatattggga cagaaggcag ctttagttat 240  
ttgggagggtc gaggcataca tgtctactat gattcaccat aaagccatat taggcaggcc 300  
attggcccag gtacatttct gcattatttc cttttgcata tttcatatgg ataaattcct 360  
tttaagggtt gaggcaccaa taaaaaatta gggcat 396

<210> 552  
<211> 365  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H11463

<220>  
<221> unsure  
<222> (1)..(365)  
<223> n = a or c or g or t

<400> 552  
 tttttttttt tttttgcaac catttatata cagtgttaca taacagctct ggagtacagt 60  
 acatgcagca gaatatacct gttgaatata aaatactttc cttaaaatct tcatcattgg 120  
 aattccttga agtctaaatc atagaatgcc cattactttg agaaaatggg tgaggagtag 180  
 aaatgtctgc atatgttggc cactgaaata atccaaggct aactgggaat aatattcata 240  
 ggacacccgg ggggtgcataa ntnntttact tacattatta aaatacaacc cataaaattc 300  
 aagttcagga tcttataggg attgtctatg gtaaactcct taggtggttg cgggggaaat 360  
 ggcat 365

<210> 553  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H14810

<220>  
 <221> unsure  
 <222> (1)..(386)  
 <223> n = a or c or g or t

<400> 553  
 cataaaaaca ttttattcac aaaattgggtc atcacagcat tatttacaat actgnaaatc 60  
 tggaaatagc ctaaatttct aacaattgaa agaagggttaa gtaaattata agactacaca 120  
 ataaaatata ttaccagcaa tatatctttg tgaaaatcta taataaccac acataatact 180  
 tagtaaaaaa gcancataaa ttacatgata aagcactatg accagnanca atgncaaaaa 240  
 attcacaccc ccaaaaaagn acaaggatat tatatgggca attttgtggg taaaatatta 300  
 catgttattt gtgnttggca tttctaattt tccccgttaa ctggacacat ncggttttcn 360  
 taattagggg gaaanaaaat tacctt 386

<210> 554  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H15143

<400> 554  
 tttttttttt tgtgggtcac agttgagggt ttattgccag tgtaggaag aatggggggg 60  
 ctgggtggcc aggggtcttg ggaggaattc caaatgagca ctgcagggcc tgtgagtggg 120  
 gaggagagct gctgcccccc tgccaccagc gagggccccc ggctgatgcc accatatact 180  
 gactgctagt ggtgccttaa aaggtggcct cccacagga ggggagcctt gggggccccc 240  
 aggagtcagc cctcaccaac aagccctctc tcaagggggc caggggcttt tattcctcat 300  
 gggacaggct ggg 313

<210> 555  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H16171

<220>  
 <221> unsure  
 <222> (1)..(295)  
 <223> n = a or c or g or t

<400> 555

tttttttttt tttttttaaa ttaaaccacc ntatganttt attaaatcca gaactgtgtt 60  
 aaagggcggc ggtctncgag ggggagtntg gtagggggac gagggacaag atgatgaacg 120  
 gccgtgggca tcccntaggg ngacccggnc caccocgcc caaccaccc cctcngcaac 180  
 gctgcatcag cttcaccatg attcccagtg gtgctgggct gggcagggcg agatggctgg 240  
 gaaacacaga gggacagagg gacagacaga cgccttcac aaacaaacc tggnc 295

<210> 556  
 <211> 389  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H16676

<400> 556  
 ttttttttta gttttgtggt actacatatg ttttattaaa aattcaaact ttttttcaga 60  
 tcgaagcata atttatcttc cattaacaaa aacgaagatc ttaaatttga cagattaca 120  
 attaaaatgc tgaaaggagt tatgaggcat ttaaatcatt cttcaattag aatgtttgca 180  
 gcatatttct cagaggctga cctggaacac attacctttg ttggcaggca tcaaaggcag 240  
 gataaatcct gtggctggaa atcaattgtg agtcccatta ggatgacttt ctaggcacac 300  
 atgcataggg tcttgactg tatccgttct acttctagga aggttgctgt ctggaaggct 360  
 ctttccctg ggcgaggtca ctttcccg 389

<210> 557  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H16768

<220>  
 <221> unsure  
 <222> (1)..(471)  
 <223> n = a or c or g or t

<400> 557  
 ttttttttta atttataaaa atgaaaagtt tatttgtctc atggttctga caggctgtac 60  
 aagaaacatg gcaccaacat ctatttctgg tgagggtttt aggctgcttc cactcatggg 120  
 agaaggcaaa aaggagctgg catgtgcaga gatcacgtag ncaagagagg atacaaggag 180  
 atttccaggc ctctttttta cagtcagctc tcatgagaag taatagagga agnaagtcac 240  
 ttactactga gagagtggct ccaagccatt ncataaggaa tcaaccacca tgacacacta 300  
 gggcctcacc tccaaaactg gggaatcaca tttcaacatg aggatttggg aagggtcaaa 360  
 tatccaaact ataggcattc tacccttggg acgcctaagt atcctgtcct tctcacaagg 420  
 caaattacat tattttattc ccattagtgt cccgaaaact taacttggtt t 471

<210> 558  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H17333

<220>  
 <221> unsure  
 <222> (1)..(354)  
 <223> n = a or c or g or t

<400> 558  
 ttttttttta attgttaata ttgctaattt gtacaatggg taatgatctt ataaaatagt 60  
 tgtatgaaag caccaaccac cttagaaagt ctgaccagca ttcatatcta ctttccagac 120

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cctcatccct cctccccact cacctgactc tgctcggtc attcatgggc tttcctgtgc 180
tctgccattg ctcaggtgag tgagcagttc gcccggcaca ttgaccaggc agatccaggg 240
cancgatcg gtggagccca ggaaatggag aggctggcac agctgcagca atgcctgnaa 300
gctgtcctga ttttctcggg cttngagata gccaccactt ttgagcatta ttac 354
```

```
<210> 559
<211> 486
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. H17550
```

```
<220>
<221> unsure
<222> (1)..(486)
<223> n = a or c or g or t
```

```
<400> 559
ttttttttat ttttaaaaat ctattttattt atcaaaacag tattggcaca gtaattctca 60
tattatcatc aaataataaa attgctactt tctgtactca attotttaga atcctagaaa 120
ttgcaaatgc attcaattta acaatattgt aaataacaat acaaaaagaaa gaactctgca 180
tattttatgga aacattgttg atggtacagt tctactgaaa ctcatacaca tttcactatt 240
taattttacat atggnccttg tgaaaaaaac cagtatgttt tactttttca atttccttat 300
ggctaaaata catgtaattc taaagggata tctcttgggt gttataaaaa ccagggaggg 360
tccaccacca ggtcaagggt ggngtcaagg ntacttcaaa ggttccctgg aatggatccg 420
gaaaacaaat ttttaaccna aaatgtggta ccgntttggg ggggcccttc ncgggccccc 480
caacgg 486
```

```
<210> 560
<211> 477
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. H18099
```

```
<220>
<221> unsure
<222> (1)..(477)
<223> n = a or c or g or t
```

```
<400> 560
aaatagtgca atcaaaacct ttattaattt tnctcattaa actgaaatga taaaccaa 60
gaatgagaaa agtggcagta aaagatttag catgaagtat tatttctcag gtaatgtcaa 120
gaatattatg aaaatatata cttgcttata actgaatcaa agaaaatgaa tgcatttacc 180
tttgaaaagc agaggtagct attgccttca agcttcgggt tataggacct taggctggga 240
gctgatggcc ccacatagct gatcttctgg ttttgtaatg agagaaaatg ggaagagtct 300
ctctgggaag gaaaacttag ggtcatttat ctctcaagct ttatctattc cntaatgtat 360
atgggaacac taatagttct gcctatcttt ctttgccaga gtaggaaaac aggttccaaa 420
ataaatagtc ncgaattatc ataaaggcnt aatagggtgg ggttttttaa ttatatt 477
```

```
<210> 561
<211> 371
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. H18947
```

```
<220>
<221> unsure
```

<222> (1)..(371)  
 <223> n = a or c or g or t

<400> 561  
 tttttttttt ctttttttag gnttcatggt tgttttattt aaagtctggt tgggtacaga 60  
 aaacacacac acacttaaca ggttaaaata tccaaataaa atttactgca actttttag 120  
 aattttattt gtgctacaag acacgttgca taagaaacta tttaaagccc ctgaggaaaa 180  
 aatatccatg gtttaagggtg caactgggtt tgtttcttct ttggggaaaaa ggtgatagat 240  
 ggtctctggg agaaattatg ggggtggagt gagaagcaca atcgaagggt atatgggtggg 300  
 atgattggcg aattgtgtgt cctgggttct tggcagcatt aaaatagcct aatgttttgt 360  
 tctttttttc a 371

<210> 562  
 <211> 478  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H19969

<220>  
 <221> unsure  
 <222> (1)..(478)  
 <223> n = a or c or g or t

<400> 562  
 tctaaatatt cagatgtggt aattacatgc cctagaagct ggaagantca gtggtgttca 60  
 cactggacgt ggagctggtt gtataatttt catctccctg cacttaaaca tgactctcag 120  
 tctaataaat tcaaccttgt cattttttaga atctacggga tttctctggc tgtcgtttgc 180  
 gctgcattta tccgaataca tccagctcgc aggcacctcg caagaaacgg ctcccggctc 240  
 gcgtgtacgc cgacacctcg gcccaacgca ggactcgagg tggtttctag tgcccgggtg 300  
 gctgcaagtc tgccctccga gggaggctgg gacaagcggc gccccagggt tgcagcggcc 360  
 tcttcgttgc ctnggcagtg gctgggnagg cccccaccng ttgccagttg ttttcgggaa 420  
 acccgcttgg ccaagtttgc cccgggggtga aaaatgaaag caatttcccc aacagatt 478

<210> 563  
 <211> 187  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H21814

<220>  
 <221> unsure  
 <222> (1)..(187)  
 <223> n = a or c or g or t

<400> 563  
 ttattgaggg tttattgagt gcaggagaaa ggggtcttgat gccttgggggt gggaggagag 60  
 acccctcccc gggatcctgc agtctctagt ctcccgtggt ggggggtgag ggatgagaac 120  
 ccatgaacat tctgtagggg ccactntctt ctccacggtg ctcccttcat gtcgtgacct 180  
 gggcagc 187

<210> 564  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H22453

<220>  
 <221> unsure  
 <222> (1)..(432)  
 <223> n = a or c or g or t

<400> 564  
 ttctcttggt gctggagttg taaaaatcaa tgtcccattg ctgagatcga agctccctgt 60  
 gtctctgggg ggctcagcag ggacgatggc ctccagagtg gacctctgag aaattgcaga 120  
 ggcatcagag ctgtgggctc agcatatgag gtccccaggg gccatagacc ccctcctcct 180  
 gggaagagtg ctcttcgaga gcttatttgc aatctcctgg gagtccaga ctcaccaaag 240  
 gattcagatc ctcttctttt tgcctcctac atagagcaca ttatagacct gaaacaggaa 300  
 tcagaattcc agactccctt agtgaggaga caaagtgtta ggtcttagct ttttcccttc 360  
 taaattaagg gtcctccctg ggattcaggt tgcctgatag cttatnctg aaantggtn 420  
 gagataggga aa 432

<210> 565  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H23407

<220>  
 <221> unsure  
 <222> (1)..(214)  
 <223> n = a or c or g or t

<400> 565  
 tttttttttt tttctagggg agaagatttt atttcacaag gtgaggaacc caggctgggtg 60  
 gccgacgcc acacaccagg ntccgggacg catgggggtct gcacgtggag aggggtgctgg 120  
 ccgccccagc aggaagccc acgtaggctc cagcgtntct gtcagtcag ctgctgccct 180  
 gtggcttggg agaggcagga cgtgcacca gcct 214

<210> 566  
 <211> 697  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H23520

<220>  
 <221> unsure  
 <222> (1)..(688)  
 <223> n = a or c or g or t

<400> 566  
 ataataattaa tgnaaattca aatgatatnc atggaataaa aaataaaaag atttctcaaa 60  
 agatcagnta aaggnacaaa tgaaggcagg aagaaaaaat caaatgtgta atccactgtg 120  
 ggatcttaat atcaagattc aaatatgtaa aatgattgct tttaattttg aatatgagtt 180  
 ttgtaatgta gaagttaaga gagttttatg gagctataaa gaatgcagtg agttgacaac 240  
 cattttcctt agtatttttc cccaagaaaa taagtgtgaa acccgttgat aagncatacc 300  
 acatgtataa atgactattc tagattcctc tctctctcct tctgttcctt tcttctgtct 360  
 ttctccctcc ctctctctct tctttctttt ctctcttttc tctctccctc tctcccttc 420  
 tccctctcct tctctgtctt tctccacccc tcccatgact ttttcttttt tttttaata 480  
 tacttaagct tnggggacat gtgcacaaca tgcaggttgt acaatgtanc atgtgccgtg 540  
 tgggtgtgctg catgcattaa ctcggcattt ccatagggat accccnatgc atcctcccc 600  
 accaccaccc acagangccc ggggtgtaagt ccntccggg ncggggtnc a ctggtcaatc 660  
 cncatgggt ggcanttggg ttggttttgc ctgaaaa 697

<210> 567



<211> 233  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H26288

<400> 567  
 aaaaacacca gtttgaaaca cattactgaa agtgagtgtg cacaataaat agaaaatagg 60  
 gatgcatagt gctggagaca ttcaaccaac ttatcttcat ctgttgcta ctgttgtaga 120  
 caaaatttga cacacaatta gcattactga aagagcagcc aaactacctc ggagaaagtg 180  
 ggcaaaactac tggaaaagta gcttaaagct ctgggaccac tcaccaaaaa taa 233

<210> 568  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H27180

<220>  
 <221> unsure  
 <222> (1)..(290)  
 <223> n = a or c or g or t

<400> 568  
 agnntttatt ttggaccaaa aaaaaaacca caattgtttt ctagctggaa gantgggcaa 60  
 ggggggtccc agacagtaaa ctccccacg ggtgggttga gcctcaggtg gggggtctcc 120  
 tgttgtctgt gcttccccac acagcagcct ccctcctggn gtctgtggca gccacgggag 180  
 gggcagacta ggaggagctg ccacagtnt tcaactgggc aggaagtcag aggactcaga 240  
 caccagcttc ccatcgcggg tntcgatctt cttnanaacc acggccctgg 290

<210> 569  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H27675

<220>  
 <221> unsure  
 <222> (1)..(292)  
 <223> n = a or c or g or t

<400> 569  
 gtgtctccat ggcgagtggg agcgtgaaga tgaccagctt tgcggagagg aagctccaga 60  
 gactcaacag ctgtgagacc aagtccagca ccagcagctc ccagaagacc acgccagatg 120  
 cgtctgagag ctgccagcc cctctgacga cgtggaggca gaagagggag cagagtccga 180  
 gccagcatgg caaaggntcc cgccagcctc ctggcatctg agctgggtaca gtggcacatg 240  
 cantcgaagg agaagcgcag ggccatcgag gccaggaaga agaagatgga gg 292

<210> 570  
 <211> 116  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H38418

<400> 570

agctgagcat tttttatgtg ctaggcactg ttccagtgtg cggggacgca gctgtgaatg 60  
aacagaaacg ggggatggag gacaggggag aaacccctt caggggtctt tgggcc 116

<210> 571  
<211> 212  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H38995

<220>  
<221> unsure  
<222> (1)..(212)  
<223> n = a or c or g or t

<400> 571  
tattactgnc ttaatggggn ccaaaggggc aacacaaagg cattgaaaac atcactggct 60  
cacaaaaaca gtcaccttgt taccttctca gttgcatttg tttatttcac aaggcttcat 120  
tcacacataa aaacaagata ctaatccaat ncaggctcna acgattataa aagtaaacad 180  
tntttggggc atgtacaata aattgcnctt tt 212

<210> 572  
<211> 327  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H40424

<220>  
<221> unsure  
<222> (1)..(327)  
<223> n = a or c or g or t

<400> 572  
ctgtatantt tnncttnttt tttctcttgt gatttggcac ttaaggctta agcgcnaaaa 60  
aaaaaggcat ctactgacaa aatatgggac ttgtctgtna tgcattgtaa gtgggctata 120  
aaatccaggg aggggggtttc aagccagaag aagctactga caaattgact tgtccttatg 180  
ttaggtgggg ttatgagggg gagagggagg gcacattctg aggtgctggg ggaaaggggt 240  
tgagcttaac cttgttaatg tagggcctgt ggggaatggg atgggtaggg agaagagggg 300  
atgggatgtg ggtgcagggt aggggct 327

<210> 573  
<211> 448  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H44631

<220>  
<221> unsure  
<222> (1)..(448)  
<223> n = a or c or g or t

<400> 573  
actcagcatn cnttttattt tncatatctga catttctaac aaaacgccag ggagacggag 60  
ttaaaaagaa tccacccac gaaaggtaaa caaaggagac cctcagaaac tccctggcaa 120  
ggatgttccc ctccccagat tgggcccagt ttcaccagca actgggtctc agactcagcc 180  
ttatgccttt ccactgacac cccccacccc tccacantct cgtgattcag accaggggaa 240  
ttctcgggct gattgtgtcc gtgtgtctga gggaggggca cgctggaacc tgggaacct 300

ctgggcacct ctaatgcaga tgagaaaaac ttgagaatgt gaaaggagat cagtccccgn 360  
 tcccacccga aggtgcagag acgcgggaca ttaaccagca gnacgcgggg gtgaaggaac 420  
 tcagggaat ttctcccant gccagggg 448

<210> 574  
 <211> 339  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H45265

<220>  
 <221> unsure  
 <222> (1) .. (339)  
 <223> n = a or c or g or t

<400> 574  
 nannttttat aaatnataat ttaataaaaat aaaaataggn gcacaaatat tggcatacag 60  
 taggtnccca ataaaagggtg gtggatacac agtaggtttt cagtaaagga tgatgggcag 120  
 ggcatgcagt agggcagcca ctactgtcc ctgcacctgg cctccacccc tgggctcacc 180  
 tcaccagggg gaatccccag ggcacaagcg gtcaacagct ggcatacctt gccacaggtn 240  
 taccttggtc aagttcctca gcaccaacac atccccctgg gtggctcctt gggaccaccc 300  
 gttcccnttc acggtcttac atcctcgtcc tcctttccc 339

<210> 575  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H48263

<220>  
 <221> unsure  
 <222> (1) .. (368)  
 <223> n = a or c or g or t

<400> 575  
 cacatcagtt aatnntanna agactcacct gatcacatca acagatgcag aaaaggcatt 60  
 taataaaatc caacacctgt tcatttcaaa aaacactcag aaaactagga acagtaagaa 120  
 gcttcctcaa cttgataaac aacatatatc aaaaacctac aactatcatc ataattgatg 180  
 gtcagaaatt aaagctttcc cactaagatc aggaagcggg caaagatgtt ccctctcatc 240  
 atccttttcc atcatatcat actgggaagt ctaggctaa ttcaataagg aaaagggana 300  
 taaaaaggta tacaggattg ggaaggcata aaataaaact ggtctttgtt gacaggnaaa 360  
 catggtgg 368

<210> 576  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H48475

<220>  
 <221> unsure  
 <222> (1) .. (387)  
 <223> n = a or c or g or t

<400> 576  
 nnnttacggt tgcaacattt aatgtgaaat tagttncata ctgtttcctg aagatgctga 60

tgggtgtaggt caaatgaaac atcatagaag aggcagtata tgtatatcct ttagtatatc 120  
 ttttaccttc agaaactttt ttttggagac agagtgttgt cctggctaaa taaagtgcag 180  
 tggccgannc ctgggctcac tgcaacctcc gcctcgtagg ttgaagtgga gggtgaagtg 240  
 ggccaagact ggtatactgc actccagcct ggggntaaca gagactccgc ctcaaaaaca 300  
 aacaaaaaaa ctaactggta atttaaaaaa taaagtttac agttgggctc caatgtatct 360  
 caaagtccaa actgggcccg gggccag 387

<210> 577  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H48793

<220>  
 <221> unsure  
 <222> (1)..(346)  
 <223> n = a or c or g or t

<400> 577  
 gatttaggag attccaagtg atacctttta ttactactc tatgtcctta ttaataaata 60  
 catatttaaa aaaacctata caatatagtg tatttacagc atggaagagc agagactctg 120  
 aagccagact gcctgagttc aaatcctgac acttctactc aaatatgtgt gagtgacttt 180  
 gggcaattta ctactcttt ctgtgtttct atttactcgt ctacaacaat aatttctacc 240  
 tcatcaaatt aaattaaaaa aaaaacggct taaatagggt aacatttgta aataggctta 300  
 ggaaaacact acatttaaaa aaataancat tcctaaccga ccttcc 346

<210> 578  
 <211> 458  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H49440

<220>  
 <221> unsure  
 <222> (1)..(458)  
 <223> n = a or c or g or t

<400> 578  
 ggagtttcac catgttggcc aggcgtgtct caaactcctg acctcaggtg atccacctgc 60  
 ctacgctcc caaagtgcgt ggattacagg catgagtcac tgctcccagc cattagaaag 120  
 attgttaatc ctatgaactc cctttttagt gagagaaagg gccaatctgt aggggtagcc 180  
 ctgtccaggt aaagttgttt tcagcctcat gtctactgtt aggtgagggg gtcacagcca 240  
 gacagagagt attgctggag ggtgagagaa ttgtggagac caactaccac atagcaagag 300  
 cccagctctt gggagcattg agatgtaagc tcagggttac acagttccaa atcttgggga 360  
 aggggctttt tcagacagac tgtttgcttt ctgctgagat taaggaattg catcantctg 420  
 ccagagtatt gactttttta cagattatta aataaagg 458

<210> 579  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H52835

<220>  
 <221> unsure  
 <222> (1)..(446)

<223> n = a or c or g or t

<400> 579

```
cggataccct gggggcctct gctcctctct ttgtggagac gtcgtttcac cggcggcgcg 60
tgaccccggc agctgtccag agaccagag atgtccaatc acaggcgcac ggtgcacagg 120
cgcgaggggc tgcttgaac gggcccaggc aggcagtgc cgggacctct ccggagggag 180
aggaacggtg ccctcccggg aggagctggc caggcaggcg ctgccaggcg cggccttccc 240
tgctggacta cggcattgcn actgagttat ataaagacac tatttgggga aggacagcgg 300
gtgaggactn ggcgcggcgg cacacgcttt gcctgttgn ttcagctctt ctggggggcca 360
aggcagggag ttccagggtt tacagtgcgc ctgatngcca attgctttcc aaaagagaga 420
aacagagaga aagggattna ggcttc 446
```

<210> 580

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H54764

<220>

<221> unsure

<222> (1)..(386)

<223> n = a or c or g or t

<400> 580

```
gatggagttt cgctcttctt gccagggctg gagtgcattg gtgcaatctc ggctcactgc 60
aacctccacc tcctgagttt gagattctcc tgcctcagcc tccactggg attacaggcg 120
cctgccacca cgcccagcta attattgcat ttttagtaga gatgggggtt caccatgaaa 180
atTTTTattt ttattaaaag agtgcattgag ttagtcatga aggcagagcc agggcgccct 240
gcataccaaa tgtgaaggaa cagtaccaat tgacaaagga aggcacaaaa ctaggacaaa 300
ggaaaaggga cttcaattaa ataaggtaat ttggaactaa ctggaaaatt gaggaggggg 360
aaatngcaaa taaaatnggg gaggca 386
```

<210> 581

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H56673

<220>

<221> unsure

<222> (1)..(384)

<223> n = a or c or g or t

<400> 581

```
gttaccaaga cacaatttta agatcaaaca agtgtcaagg taggccatgg cttgttggca 60
gtagtagggg ccctatggct atttccaggc atgggtggcc ctttttcctt gggttatctg 120
ggaatctgcc acagcagaca gcaaaaggta aaaagcatcc cttaataaac tacacccac 180
tccagcaatt gaggtttatt caggggtggg tcaaagtagt acaagacaaa aatagcttag 240
tgaaatggnt tagaatccag actgaggtgc cagactgcct gcattctgag tctcaggtec 300
caccatgtat ggaggccgtg tggaccttgg gggtgaggtt actaggcctc cccgggggtt 360
caaatcttct tcacctgtaa aatg 384
```

<210> 582

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H58781

<220>

<221> unsure

<222> (1)..(405)

<223> n = a or c or g or t

<400> 582

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ctctttagtc ccaggctgga gttgactggc attgatgtgg gacgcgggga gtgaacaagc 60
aaacactggg gctgtaggag tgaagagaaa ggaatcaaag gaaggaaatt cccatcccc 120
agaacaaagg agaaacatgc tcttgtgatg agcacgcata ggatgaggct gcacctatgt 180
caggaaaaag ccgttctgcn gaaggcccat cagagacaga cttgactctg gacacctagc 240
cccacaaaca ttgtctgctc caacacatat ccagttttcc ccataatttt atgtaaacta 300
ctcagggtat actctcattc ttacttggaa actaaatttg tatggntatg gcctgtggta 360
ctctaggaag gtttctctaa agaggggagg gatttaaata aaacc 405
```

<210> 583

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H58873

<220>

<221> unsure

<222> (1)..(440)

<223> n = a or c or g or t

<400> 583

```
actataactt agtgtctgta tttaatatg acaaccaaaa atatatatan tttntttgca 60
tctatacaca acagggcagg agtctccatg tnttcttgag cagtgagttt gcaggctccc 120
acaggccctc ttctcatggt aatagtgtgg ccctagtgc aaggagacta gaaccgggca 180
gccagactg gcccttcccc tctctccct gcactccagt gcttcccaac tgggtctcagg 240
taaagaaagn ttantttgag tgggtgggta ggaagagatg ggaaggggca aatcctaatt 300
ggagcctgac ccctagagtg gggagttcca gggccagcag aacgggtggg ccatagccct 360
ncctggggnt agaagctttg tagttcatag ttogatttag ntgtccntag ggcattnagg 420
nccagcccta cagattagct 440
```

<210> 584

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H59141

<220>

<221> unsure

<222> (1)..(414)

<223> n = a or c or g or t

<400> 584

```
aatanaggaa taataaattg atttaataat ttgaaagaac tgtaaggttt aggttttgtt 60
cttattttta gtgcgactga gattggagtc tgtttgtaga catatctgaa aaaagtgaag 120
ggggagatgg aagatggtaa atgccaagga aaagatggaa ggataaatca gtgtaataaa 180
aaggagcact tctttttcgc caacagaagt aaaggtaaag gttaagtgtc tgagttaacg 240
aatggattgt tgacctctgg ggagggtgct cccatcagct cagctttgtg acgacctaa 300
gaatatccct tccacacctt tcctgatcca atcgttctgg gctgcataaa accacctaaa 360
tcaatcaact gttacacttc ccttagtgct aggggcatat tccnataac tccc 414
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<210> 585

<211> 284  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H60595

<400> 585  
aagacagagt ggactgttac aaatgatttt gcaaaatata aaaatagata tacttccact 60  
gaatgcttta atcatttttc cgggcactct catcttttgg ttcttctca tctgagtaca 120  
cagtgggctc ctccccctcc ttcagcagtt tgcccacgtg atgatacttg aaagtgaact 180  
gagactccca gtcactcaga gtctcctgct gggcgagtg aggtcagaaa ggtcatcgta 240  
ctcatccttc agtgcttctt tatccgggga aaatgtgggc aagg 284

<210> 586  
<211> 317  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H61295

<400> 586  
gaaccctcta agggacctca aaggtgattg tgccaggctc tgcgcctgcc ccacaccctc 60  
ccttaccctc ctccagacca ttcaggacac agggaaatca gggttacaaa tcttcttgat 120  
ccacttctct caggatcccc tctcttctca cccttctca ccacttccct cagtcccaac 180  
tccttttccc tatttcttc tcctcctgct tttaaagcct gcctcttcca ggaagacccc 240  
cctattgctg ctggggctcc ccatttgctt actttgcatt tgtgcccact ctccaccct 300  
gctccccga gctgaaa 317

<210> 587  
<211> 462  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H61361

<220>  
<221> unsure  
<222> (1)..(462)  
<223> n = a or c or g or t

<400> 587  
gctggggctt agctgggagg tggctctgaag cagacaggga atgggagagg nggatgggaa 60  
gtagacagtg gctggtatgg ctctgaggct ccctggggcc tgctcaagct cctcctgctc 120  
cttgctgttt tctgatgatt tgggggcttg ggagtccctt tgtctcctc tgagactgaa 180  
atgtggggat ccaggatggc ctctcttctt cttacccttc ctccctcagc ctgcaacctc 240  
tatcctggaa cctgtcctcc ctttctcccc aactatgcat ctgttgctg ctctctgca 300  
aaggccagcc agcttnggag cagcagagaa ataaacagca tttctgatga aaaaaaaaaa 360  
aaaaaaaaacc gcggccgaaa gcttattncc ctttaagtaa ggggttaatt tttagcttgg 420  
gcactnggcc ntcgttttan aacgtcgtga attnggaaaa cc 462

<210> 588  
<211> 512  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H63994

<220>

<221> unsure  
 <222> (1)..(512)  
 <223> n = a or c or g or t

<400> 588  
 ccctccaagg ttcacatggt ggaatgtaaa ccccaagggtg atggtattaa gaggtaggga 60  
 cttcaggagg tgattaggcc atggggggatc tgcattcgtg aatgggataa atatccttat 120  
 aaaacagggt tcagagagct gcttggtcct tgcacctctt ctctcttcta ccacgtgaga 180  
 acatagcatc tgtcacctcc agaagaagca gcaacagaca tggctcttga agcagagagc 240  
 aagtcctcac cagacaccaa atctgtcaga accttaatct tggacttccc agcctcaaaa 300  
 actgtgagaa gtaggtttct gttattatat atcaccaggt ctcaagtatt ttgcaatagc 360  
 aacagggaat aggactaagg acaatgagtt ttgcacaatc taacttttaa aacctccngg 420  
 taaggcaaag cttgagtttt attttcatgg atttaaaagg gncaagtaag ggattttctc 480  
 ggttnaccgg ccttattggg gtcnggtatt ac 512

<210> 589  
 <211> 280  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H64411

<220>  
 <221> unsure  
 <222> (1)..(280)  
 <223> n = a or c or g or t

<400> 589  
 tctgcttgaa gaaggagca ggcaagggca cagatgcagg tggcccatg ctgctaaaga 60  
 caggctggaa ggtcggggct gtggtgctgg tggctcgtgg gagggaggag ctggagggcg 120  
 ctgtggctga gactgaagg ccaggcgggtg tgaggccttc cttctcactc ttgggtggag 180  
 ccgtgaaaat gggcttgaac atgggagatg ctgaagatgc agcagggggcg gcaggggctgg 240  
 aaggttnaggt nttctgtgtt ccaaacagga agctttgctt 280

<210> 590  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H64493

<220>  
 <221> unsure  
 <222> (1)..(370)  
 <223> n = a or c or g or t

<400> 590  
 ggggtgcttta tttccatgct gggcgcccgg gaagtatgta cacgggggtac gtgccaagca 60  
 tcctcgcgcg accccgagag cccgggggagc gggngcttgc cggcgtcgc actcatttac 120  
 ccggagacag ggagaggctc ttctgctgta agcggttgtg cagagcctca tgcacacagg 180  
 agcatgagaa gatgttcccc tgctgccacc tgctcttgtc cacggtgagc ttgctgtaga 240  
 ggaagaagga gccgtcggag tncagcatgg ggaggcntgg gtnttgtagt tnttctccgg 300  
 ctgcccgtcg ctttcccant ccacggggcga tgctcgtggg ggtagaagcc tttgaacagg 360  
 gaagtcaggc 370

<210> 591  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens



<220>  
<223> Genbank Accession No. H66642

<220>  
<221> unsure  
<222> (1)..(460)  
<223> n = a or c or g or t

<400> 591  
ttaaagacag agtttcgctc ttgttgccca ggctgtagtg caatggcgcg atattggctc 60  
actgcaaccc ctgcctccca gggtcaagtg attctcctgc ctcaccaagt agctgtgatt 120  
acaggtaccc gccaccatgg ccagctaatt ttttctatct ttagtagagc cgggggtttca 180  
ccatgttggc caggctggtc tcgaactcct gatctcaggt gatccacctg tcttggcctc 240  
ccgtgctggg attataggca tgagccacca cgtccggcca aattttactt cttaaaagt 300  
cttttctctc agtgatatca aggtcttctg tctactatta taaccataag cttctttagg 360  
cattaaggag ggaaaatgtt taataaaatg taattaaact gggatggaat ggtcagtgt 420  
tttaaagtga aatatactta aatgtaatta cggggnggt 460

<210> 592  
<211> 291  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H68097

<220>  
<221> unsure  
<222> (1)..(291)  
<223> n = a or c or g or t

<400> 592  
tgaagtttat ttncctctggc agtatgtttt agtttcttgt ttttnatttt gttgtgtgtg 60  
tatgtgttgt agattttatg atttgagggt accatgaggc ttgcaaataa cataacatgt 120  
tattttaaag tgacaacttg aacttgattg caaaaacaaa cagggcgaag agaactaata 180  
aaaactgtac actttaactt cattcctcct gttttttaaag gtttttatgg gtttctattt 240  
atatctcctt gtactatttt gaaaagggna ttgcagggtta tcatttggtc a 291

<210> 593  
<211> 274  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H77531

<220>  
<221> unsure  
<222> (1)..(274)  
<223> n = a or c or g or t

<400> 593  
gggtattcaat gcgtgttcat ttatttnaca cttacaaaag aaatcgccca cccctttgcc 60  
ncattccccc aaaacagtct ctttttataa acatttataa attaaaacca aatgaagata 120  
gacaagttaa tttcagtaca attatttttc agtgtagctg tcataattag agttttaaatt 180  
tcctacaagt gaccaatgtc caagtgactt atagggaaat cctgattatc ggccaaagga 240  
aattcaatnt tacaagttag caaattctag gtac 274

<210> 594  
<211> 317  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. H77597

<220>

<221> unsure

<222> (1)..(317)

<223> n = a or c or g or t

<400> 594

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tcaagtctaa gtgtttaatt attattcaca tatttcacag aaaaaaagga atgtagcaaa 60
tgagtcggag ttgtagaaaa aaaaaatcct ggnttttaag tgtcattctg ttttcatctg 120
acagcagggc tgtcccgaca tcaggcacag cagctgcact tctctgacgc ccctttgcag 180
atgcagccct gggcacactt gggcacagcc caggggnaaa caggagcagc agcctggggg 240
aaaaagggag agagaaggtc acaggcagac ttnaccaggg ganctccctt tccaacagc 300
aggcctgggc tcaagct 317
```

<210> 595

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H81070

<220>

<221> unsure

<222> (1)..(340)

<223> n = a or c or g or t

<400> 595

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caggtctaaa gtgtttaatt atcactcaca tatttcacag gaaaaggaat gtagcaaatg 60
gggtcaagggtg gtataaaaaa aaaatccagg tttgtacatg tctctctgtt tacatctggg 120
agaaagggttg tcctgggcat cagtcgcagc agctgcactt ctctgacgcc cctttgcaaa 180
cacagccctg gggcacactt gctacagccc acgggnagnc agggagcagg cagctctttc 240
ttgcaggagg gtgcatttgc ctctttgcac ttgcgggaac cagcgcggtg caggaggagc 300
accagcggcg caggagcagc ttgggggggtc cattngcaag 340
```

<210> 596

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H81379

<220>

<221> unsure

<222> (1)..(330)

<223> n = a or c or g or t

<400> 596

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ttaanntttt ttaaaaccaa aagaacaact ttaataagct tttacggcac tgcaattaca 60
ggaacatcga cccataacat gcaacaaaaa tgattttgcc ttttggacat atttaacaga 120
taaacttgac attacaagta acagcaacac attcccattc tactgaagaa aacaaatgag 180
atttaacttt caggttagaa aacgtatctt cttactgcaa tctcaagtng gcatttngaa 240
agtttagttt tcccttttct aacctctaaa agatgatatg atttttaatg caatcatata 300
caactgtttt cacattgggg aatantcacg 330
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<210> 597

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H81413

<220>

<221> unsure

<222> (1)..(419)

<223> n = a or c or g or t

<400> 597

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ngagccagaa aaggattttt tttaattcaa gtaactgaaa taggaaacca gaggggggagc 60
cccaggctgg gataaatcat ggctacccct ccccaacaga acagggggag gaggtggccc 120
ctacacccat tatggtcgat tcgggcccc ttgctcactc tgctgcagca tcctagaggc 180
agggcccccac cttccctggg actggggtag tcggtcaccc agcctgcatt gccccagccc 240
ctnttcccca caaagagtat cttgggggag ggnttcgtgg ggcagaacag gagggcaatg 300
agggatgaac attgctcaaa ctcttttcaa aggggcacct gaccgcacag gggaggntgg 360
gcaggaaggg caagggntgg gggatgccgt ntaaggaggg cggangcagg canttttgg 419
```

<210> 598

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H83380

<220>

<221> unsure

<222> (1)..(386)

<223> n = a or c or g or t

<400> 598

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ttaattgcag aaaaatttat taaattggaa aatcttgctg ttttcaatgg cgctggcccc 60
gggtcagcgg cgattttctc tgcacaaaga tgggctttgc gtttccgtag tgggcaccag 120
gggtggcctg attgtcagtc ttctcccgcc atttttaagg ccagggagcc gaagcgctgc 180
ttgtaggcga ataccctaca gagcggtttg gctttttaaa ttactgttat tattttgggc 240
agagaacagt cggctctgggt gcaccccgct ctcgctgcag aagaggctgc gagtccgagg 300
tggggctctc cggaaggtg aaattccttc tnggggntna gcgagccccg gccccgcgcg 360
gcagtccagc ggccccgggtg ttggtg 386
```

<210> 599

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H84761

<220>

<221> unsure

<222> (1)..(335)

<223> n = a or c or g or t

<400> 599

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cggcacttta ttagtgggga aacncgcctt ggnctggcag agactgggat caacaggacc 60
ngcacccatc tcgaggnggt attttcngta agancaggng ttccnccctc gtaggttttag 120
aggaaacacc ctcatagatg aaaaccccc cagacagca gcaactgcaac tgccaagcag 180
ccggggtagg aggggcgccc taggcacagc tgggcccttg agacagcagg gcttcgatgt 240
caggctcgat gtcaatgggtc tggaagcggc ggctgtacct gcgtaggggc acaccgtcag 300
ggaccaccca ggggactttc ttcaaagttc cnggg 335
```

<210> 600  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H86112

<220>  
 <221> unsure  
 <222> (1)..(178)  
 <223> n = a or c or g or t

<400> 600  
 gcttaatggg gccaaagggg caacacaaag cattgaaaac atcactgggt cacaaaacca 60  
 gtcaccttgt taccttctca gttgcatttg tttatttcac aaggcttcat tcacacataa 120  
 aancaagata ctantccaat tcangttcat aacggttata anggtaanca tttgttgg 178

<210> 601  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H88338

<400> 601  
 atgcatgttt aaacatttaa tctagaactt gattacaaag taatttaatg aagaaaataa 60  
 tctgttataa ttcttataga tgtttattag ttttttagatt taataaaaaa acagggctta 120  
 taattaaagc aattgactaa tgatctcaca gcctcaaggt tgtatgcaaa cctagattag 180  
 aaatactttg gtctctaaaa ataacaaaat ggaccataac attttttttc ttacaagttt 240  
 gaagtgggtc aattatgggg gaaacacata cattcctaag gggaaat 287

<210> 602  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H88798

<220>  
 <221> unsure  
 <222> (1)..(337)  
 <223> n = a or c or g or t

<400> 602  
 nactttaata agtataaagt atataaacia ttaggtaagc ttgtggagaa gctgaccaag 60  
 atacataaat taggaaatac aagtgtccat cttaaatttc tatatttcac ttttttcata 120  
 atatttatta aagggtgtta atatacagtt tctcatctgt catttttgaa gtcctttatt 180  
 gtaaagacaa ttctattgtc tgatgacaaa cagcagccac catggttatt caggacctcc 240  
 acgttgata aattccattt cttcttgaga cacaagtttc cttctggtat ttctgaggta 300  
 atggnnttta ttatttctgg cagtgtctgg tggacc 337

<210> 603  
 <211> 321  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H91703

<220>  
 <221> unsure  
 <222> (1)..(321)  
 <223> n = a or c or g or t

<400> 603  
 ccataagaca agtgacatat ccaaccaacc atccatcccc acctgtgccc tattctttcc 60  
 ttgtgtttct ttagagcctt ttcagctatt tcctgtgaag caaactgcac gaaggcctcc 120  
 cccgtactcc tcccctggaa gtccaccggc aatgttatcc catttggcac gatttccaac 180  
 ccttcaaccc aaggacaaat aaccccagta gggggncaat attaacatca caagcccagn 240  
 aaatgattct tcttataggc tttaaataaa ccaggacttt ttaactttag ggtgaatggg 300  
 tatgctttca acaagtactc t 321

<210> 604  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H94471

<220>  
 <221> unsure  
 <222> (1)..(395)  
 <223> n = a or c or g or t

<400> 604  
 tttgttactt ttacatgata tttattatctt aagaaaaacc tcttttaacc atttatataa 60  
 cagaaaaaaa atagggaggc tggtagatca tcacatatat agtagctaaa atatgaaagg 120  
 ccagggaatt tattattaat gaagtcataa aacagactta accaaaagtg tgtgctagga 180  
 aacaagcagt ttcacttcag agacttcatt gcagggaacc agtttcctta tgtggaaaaa 240  
 agtgattata aataacagtt atctgaaagg tgggtgagag gattaaatga gatcacctat 300  
 gcaaacaaat acatgtaggt atgaaagacc atccgtcctg ggggtngtgg aaagtttaag 360  
 tttccccncc agaacccttc cctttaaggg cctta 395

<210> 605  
 <211> 373  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H94475

<220>  
 <221> unsure  
 <222> (1)..(373)  
 <223> n = a or c or g or t

<400> 605  
 tttttgcccc ttcatctctt attcaggtgg cataaaaaatc actacaaaaa ccttacaaaa 60  
 gagccttaag gagctcatgg gatccttccc tgccctcgggt cctgagctcc cgggcagagg 120  
 agggagacag gagaggaagg aagggaaatg ctggcagtggt tgggatctcg aggagccgtg 180  
 ggaagtctgg cgtgacaagg cacagggggg aggatggagg ctgatggact ctcggcaggt 240  
 taggccacag ccaaggctgt gccangacac gagttccacg cggggctgag gacaacgctt 300  
 cgctccccga gccaccacca gggcccgtct ctccccaccc taagcctagg tgtcccggga 360  
 caagtccaaa ggc 373

<210> 606  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. H95960

<220>  
<221> unsure  
<222> (1)..(417)  
<223> n = a or c or g or t

<400> 606  
ttttattggt ttagtaatct taacataact taaaataaga gaggggaaat gacatctgga 60  
gatctaggtg tgtggcccat tgcaattgag cacatttctt gggctctggt ctctatctct 120  
aagggcagtc tcaaaaacccc agctcaaaaat acgacactaa catgatgaac atgcatgagc 180  
tttgaaaagt gctctgtagt cttatgatga tctagaagag cactgtccaa tagaactttc 240  
tgtgatgatg aaaagattct acttctgacc tattcaatag ggtaaccact aatcatgcat 300  
ggctctcaag cacttgaaat gttgctagtg tgattgggga gctgcgtttt gaatgttaac 360  
naatttanat tttaaatcnt taaaaagttt acatgtgggt tagtgggncg ccgtagc 417

<210> 607  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H97538

<400> 607  
atTTTTgtag ttttgggcaa aacattcact gttctgtttc agcatatttc cttggaacat 60  
cttcatctct ttccattttg cggacactcc cttctctcta ttctccttta ctcaaaacat 120  
atgggtttaga cccacatcat ggctttcttg tgggaagcct ggatgggact aggaaaacac 180  
atgtttccaa catgggtgcat atctgtttgt gcagatatca gacaagattt aatcttgtct 240  
aacttatgag tattgttttg atgtttgcct gtgggtattc tgggcacagc aatgggtggac 300  
attattgaaa atgaacttta ttggcagatg aaagataata gaacatgaag atttatgaac 360  
taccataagc tctgcatctc tgggtcttca ttccaaagc agcacttgga aaaccaagcc 420  
cagtttcagg caaagagtt 439

<210> 608  
<211> 543  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H97868

<220>  
<221> unsure  
<222> (1)..(543)  
<223> n = a or c or g or t

<400> 608  
cagcnagctg tgctttattg acaatgcgga ctggtatgta cgaggccgaa ttcgacttca 60  
gagaagcact ggaggacggt ggagaagaag aggttctcgg actttctccg tgactaagga 120  
catgagaggt taaagttgtc ttcttgagaa cttcagaggt cagtccaggc tttggatctg 180  
ctgcagttga actgggtaaa ttagaacctg atagttgagt ggaatgggga aacagtaacg 240  
tcgaggaggt gcccttcgat gcagaaaagg gtgtagagtg agcggtagtt tgaaaatacg 300  
tagctgattc ttccaccacg gccccaccga catccagcct cctagttgtg gaactcctct 360  
aggacagagg ctccctcgag gttaactggg tcgggtggtg tgttcggatt agttggagaa 420  
acaaggagaa agcaggtggt ttacaggcaa gctgctcaga ggtagtggga gaagaagtta 480  
actgcccatg cttttgctga agggccatcc catgaagcat tcaggatgtg atgaggtctt 540  
gag 543

<210> 609  
<211> 317

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. H97889

<400> 609

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acattaaaaac aaaaactttt tattcaccca gaactgggaa tcacaattag taaagaccat 60
aatagaatta acaaacagcc ctagaacaca tatttaaatt tgcagtgggt gttaagtagg 120
aaaattatga ctccatcaac tcttccttgg taggttgatc ttgcttttcc tgaggcacca 180
ggactcttca ctgttatgta aagaactgtt aacctaaaag acatagaaca gtgagtggcc 240
acctctacca gctgtgatca agacctcccg ggatccagag gatgggtctaa tagttcatta 300
aattgctgta ggacact 317
```

<210> 610

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H98676

<220>

<221> unsure

<222> (1) .. (495)

<223> n = a or c or g or t

<400> 610

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tgctgggcat gtaaatgtga gggttacctg ttttttttat cttcatacat ccattcatca 60
attcagtcac acacttaaga actattaatt aaatgcctac cctgtggcag gcactatatt 120
aagtgtctgag gatacaatga aagatatgac tgggtggttct tgaattcatc tcaactgtcta 180
ctggagaagc ctaacctata aacacagtta caactatgtg atgtggactg taatggagag 240
gtgcacacat gtaagcagtg atgggagcac agaggaggaa gctcttattc ctcctctgca 300
atgggtgtgga gtgttgtaag aggcctttca gaagagatga tatttgaacc cagtcttgga 360
agaatggagt atgggggttt cntaggtgga actaagatgc caaaagatgg tattccaggg 420
tantggggaa gagcatgtga atttnggtga ataaaggatg atagatgagt gaaagaatag 480
ccttaaggta ataaa 495
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<210> 611

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H98835

<220>

<221> unsure

<222> (1) .. (440)

<223> n = a or c or g or t

<400> 611

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<220>  
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<220>  
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<220>  
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<220>  
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 <213> Homo sapiens

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<223> Genbank Accession No. M29645

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<211> 1586

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M30894

<400> 676

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<400> 677

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M31994

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 <213> Homo sapiens

<220>  
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 <212> DNA  
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<220>  
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 <212> DNA  
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<220>  
 <223> Genbank Accession No. M33552

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<212> DNA

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<212> DNA

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caagtgtagt ctctaga

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<210> 715  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. M98539

<400> 715  
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ttccccgagc	ccctgccccg	gtcccccgcc	aaagcacc	tgccactcg	ggcttcatcc	180
tgcacaataa	actccggaag	caagtcagtc	tggctcctgg	ctgtctgcgc	tgcatcacc	240
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caaaggaac						309

<210> 716  
 <211> 2653  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. M99487

<400> 716

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gcgaattcca	gcctgcaggg	ctgataagcg	aggcattagt	gagattgaga	gagactttac	180
cccgcctgg	tggttggagg	gcgcgcagta	gagcagcagc	acaggcgagg	gtcccgggag	240
gccggctctg	ctcgcgccga	gatgtggaat	ctccttcacg	aaaccgactc	ggctgtggcc	300
accgcgcgcg	gccgcgcgtg	gctgtgcgtg	ggggcgctgg	tgctggcggg	tggcttcttt	360
ctcctcggct	tctctctcgg	gtggtttata	aaatcctcca	atgaagctac	taacattact	420
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ttatataatt	ttacacagat	accacattta	gcagggaacag	aacaaaactt	tcagcttgca	540
aagcaaattc	aatcccagtg	gaaagaattt	ggcctggatt	ctgttgagct	agcacattat	600
gatgtcctgt	tgctctaccc	aaataagact	catcccaact	acatctcaat	aattaatgaa	660
gatggaaatg	agattttcaa	cacatcatta	tttgaaccac	ctcctccagg	atatgaaaat	720
gtttcggata	ttgtaccacc	tttcagtgtc	ttctctcctc	aaggaatgcc	agagggcgat	780
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aaaaaaaaaa	aaa					2653

<210> 717  
 <211> 385

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. N20967

<400> 717

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aaagtagaga cgggggtttca ccgtgttagc caggatgggc tcgatctcct gacctcgtga 60
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ctttactttt ttgagagggg ggggcagtca ggaaaagctt ttgagaacta tggactccca 180
ccagcagtaa tgtgcactgc acacacacag catcctgcag acagcctcga gggcacgccg 240
gcaccctgaa gcgcgtgcag aaccccatgg tactgacctt ctccaaacaa ctggtctgtt 300
ctgttcgacc ccaaaggagc ttgccccgtg tgcgtcaggg gatcaagagt ggcagaggat 360
gtctgtttct ggcaaactcc ccttg                                     385
```

<210> 718

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N22006

<400> 718

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ataacactgt taaacaccta ctggatgaag aacttcattg tgactatttc caattgccat 120
catatctttt tctaaaattt aaaatttaac ttttaaattc tacatctttt ctgaaaatat 180
ctatcttcaa agtgctccaa tactaacact ataagccctt tcttttgctc taacatctaa 240
cacaaggggc acactgtccc attaattcca catgcacttt acaaagcaac ttcacacaca 300
a                                     301
```

<210> 719

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N22006

<400> 719

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ttttgaattc ataatcattt attgtaaatc actcacagtt tacacattac cagtggcaaa 60
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catatctttt tctaaaattt aaaatttaac ttttaaattc tacatctttt ctgaaaatat 180
ctatcttcaa agtgctccaa tactaacact ataagccctt tcttttgctc taacatctaa 240
cacaaggggc acactgtccc attaattcca catgcacttt acaaagcaac ttcacacaca 300
a                                     301
```

<210> 720

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N22115

<400> 720

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ccacggctgc ttcgtttgga caaaaataac caggaggcat ccacgggatt agttacacgg 120
tatcaactta ccaccacagc agaatcaaca gttgactcgc taattaacag aaccgtttgc 180
tagaaagcac taatctagtt atataaatac tgaaataggt cacatgcaaa aactataaaa 240
cgtttttgtg gatgtacttt tagttctcca tagttttgtt tggatataag gaaatataat 300
ttggctgtga cgtagactgt tgatgtaatt ttcaagtttt cctgtatggg gaaagttgcc 360
```



ctgactgtgg cccttttcaa ggtggagcct ccaacaccac gttgggcaga ttcaga 416

<210> 721

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N22297

<220>

<221> unsure

<222> (1)..(246)

<223> n = a or c or g or t

<400> 721

aacatgttaa agaaatgttt aattataaaa ttaagcttat acataatcta aaaattttca 60  
aatgtactgc atttatagca taaaagtaca attagtaaaa tgattcacta gtaatttaat 120  
tacatttaat ttaaagtaaa attaaaaatg cttttctcta tgatgcagaa tattactcca 180  
aacacctacc tcatgcatca ctcaatatga aaagtaaact aacagggnct ctccacttaa 240  
gatttt 246

<210> 722

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N22620

<220>

<221> unsure

<222> (1)..(450)

<223> n = a or c or g or t

<400> 722

tttcaagtca cagattacat atatttacat taattcaaat gtccaaagca cagtacagta 60  
gggtctatatt aatagttcac ataatttaag atttacatat acacaagcac atgaaccaat 120  
attagtttgc tagaacaggg atttaagaag ttactcagac attttggtat tgacacttac 180  
atatttatgg caacaaatta tgatgacttt aaattttcaa tgagatcttt tgtacaagaa 240  
tacagaatgg gaagaatgta caaaatgaaa agacaggcaa acaaattgtac tttccttggc 300  
actatttcta taacaccata tagggttgtg ggcctcggtg ccgaaattcc ctggcaagcc 360  
ccgggggggtt cccacctaaag ttctnaggag cccgggccgcc acccgngttg gaagctccca 420  
gcttttttggg tccccttttag gtgagggtta 450

<210> 723

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N23352

<220>

<221> unsure

<222> (1)..(368)

<223> n = a or c or g or t

<400> 723

nttgacttg gggtaatagg tttattatct ctatatataa gtaagcattt attgatgttt 60  
gtcaaaaata agagacaaga taacaaaaac tatttttagca tgaaaacgag atagctgcaa 120  
tagactaata ctgagcttaa agactccaaa aagagcacag aacctgaaat gacagttttc 180

aggttgtata gttatccaga caatgaagtc aactatacaa ggcaagcaac acatgacaat 240  
 aaaacacccat caacagtttc ccactggagg atggagggag gcttgctggg gcctgggnaa 300  
 ctangtggga aaaatattta aaatctcata aatcctccgt atcctttttt tccnatttca 360  
 gggaactt 368

<210> 724  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N23730

<220>  
 <221> unsure  
 <222> (1)..(375)  
 <223> n = a or c or g or t

<400> 724  
 tcgcattcaa cttaaagtnt taacatngac aatgtcttgg aacaataagc aaacaatgct 60  
 taaatttttc attcaaattc actttccaca tgtcaaaaaga cctcaaggta gaaaaaaata 120  
 aaataaaaaat ataaatatct gagaatccat cttaataaat aaattaaaaa cncnnnccaa 180  
 cgtttttcacn nccccntggt aatgtcagaa cattcagacc acctcaacaa tgcattgatca 240  
 gtaacattac aatgaacatt gatgttgaag aaaaactaca gtacatggat atagctatctt 300  
 atttctatct accagaaaat aaagtcgtat cttttcttag tataatattg gtcatttcta 360  
 atcagaacac actat 375

<210> 725  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N24761

<220>  
 <221> unsure  
 <222> (1)..(469)  
 <223> n = a or c or g or t

<400> 725  
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 taaaataaat agcaaattca catctagaat aaataggtct gcctaatttg cattaattgt 120  
 gcctgatatc atacaggcac aatctgtcat tccacgagat aactggaaaa gtctccaaag 180  
 tcagagttca aacctgcagg actgaaaaca cacagaagca ctgtcgcagg ttgggttccc 240  
 cgaaagcaga tactgaggtg gagaatggcg tgcaggaagg ttcattaggac agtgctgtgg 300  
 gctgagccgg ctgggtacag gcttgtcagg gagaggcact gggctgtaat gtggccacaa 360  
 tgaggtctca ctggacccca caaggggctc tggagctggg atggccccag aggttttccc 420  
 aagttggggg gaggaggcca gacctttgta ccccatatgg agccggtaa 469

<210> 726  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N24899

<400> 726  
 gttgttggaa aaacatttat tgcaattcag tgtcaaaaagt tttttacaaa aatatgccac 60  
 cgtctgggtac aaacaactat aaaaaatcag ttcattcatgc aagaaaagtg tgcaaataat 120  
 ttatacagaa ggactcagct cacacaatat taaataaaca tctctgcatg taattggtct 180

aactttatgc tttagttaca atgttcaacc ccctctaata cttttcattt aaaaaagtac 240  
 attaaagctt ctaagcttag gacacaggct gtaatatagc cccacttttag ccatgggtgat 300  
 tggcacttgg tagaataaaag attggcacca aggattccca agtatagaat acagcttgga 360  
 gcctttctgct taacagactt gtgcttcgtt aattaaacaa acacatctat actcaaagac 420  
 agaaaaagtc atgttttaaac tccagaaata atgt 454

<210> 727  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N24902

<220>  
 <221> unsure  
 <222> (1)..(441)  
 <223> n = a or c or g or t

<400> 727  
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 catatgaagg agcaggagga gaggaagaaa ctttttttcc ttcttttcca ggagtagctg 120  
 gaaattaaga tcgggttcct tttctgccag cttggaaggg caaccccatg actgattgctg 180  
 attctgagga tgtctatgca aagttggatt cttgttacag tgtatccaat ctgaagtatt 240  
 gcacatctga actgggactg ttaacactga tgccaataca gtgtgggggtg ccagaaagtg 300  
 tctgctgata tttgtggaaa aaaaatctat tttgtttacc tactgtatca aaggggagtc 360  
 tgggggagaa tggtagtatt tttttttttt atcagctgtg aaaaaaatgt tacagatctg 420  
 cacattttcg tgtgtactat g 441

<210> 728  
 <211> 488  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N24990

<400> 728  
 ctttagaacc ctttattgaa tggcatggca aactttttaa actgcttttg ctatttcact 60  
 agaactatct ttgataaagg atatagctaa aaaatgtcag cccaaactgt gtgtaattag 120  
 ggttgtttat taaaattttc tctaaatgtc atacagaggc ttaagatctg tgtatgctgt 180  
 tgggtcggag tgccagtcac tgctttggaa gtctgtgttc tggggctgca gaatgacaaa 240  
 cgtgtcatgg gattaaaacc aatcaactgt gaattgtgaa attgaagcta ctctttcggg 300  
 tttattttct ttagcatatt gagtatagaa atctgaaact tattttaaatt ttatactgct 360  
 tttgttgatg gctcattttg gctgtgtatc ctacttatg tactgatttc tggataaagg 420  
 cttgacatta ttataacacg ccattttgtg ttccagttta ataaaacggg ttctgagtct 480  
 tgtctgga 488

<210> 729  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N26713

<220>  
 <221> unsure  
 <222> (1)..(466)  
 <223> n = a or c or g or t

<400> 729

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tgaaaattct agttgggtcat caattctctt cagagcaaac atcatttatt ctactctata 180
aaaagaaacc taaacaaatt aagatgacaa gtaagaaaaa cttattctct ttatctcctt 240
taaaacccaa attttagttc tgctgggctg gttttcttca aattctcatt attttaccaa 300
tgaggcactt tataatacaa atgcttaaag tggtgaggga ttctgactcc caaaaacatc 360
atttgatat aacaagattt gtactactga cgttgatat acacaattaa atcnttcctc 420
ctagtggatg atggaaaatn aatgggttga ngtaanaccg gatcca 466

```

<210> 730

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N26801

<220>

<221> unsure

<222> (1)..(221)

<223> n = a or c or g or t

<400> 730

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tttttttttc ttgatgcaaa tgtttttatt tgccacttaa actacagttt ccctgtgcta 60
tccngatggg gtgggggtgt ggaacaggct gctggaacca tgggttacag tagtagcagg 120
tagatgatta gtagcatgag tggtgaaatg ctgcatctaa gtgcctgtca ctttgctccc 180
aggggaatat catgcagccc aggaatagtg ttagactggg a 221

```

<210> 731

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N26904

<220>

<221> unsure

<222> (1)..(445)

<223> n = a or c or g or t

<400> 731

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aagtttttta aaatttatta tttattattt ctttttgctc ttgtttcggt tctcttcctt 60
gagcttcttt ttggagactt tgggtctatt ggcctttctg tatagggtgat acccaatgag 120
gccagaggag ntcggcacca tggccatccc taccagaggc aaaatgccct tcaccagctt 180
tanccagtag ttggctcgga ttagtgcaat cagctccacg tcatactgca cactgcatc 240
cgctgggaca gatggtggaa atccccgttt tccataggcc aagtgagaag gaatgattgc 300
ccttcgcttc tctccacac acatgtcgag aagactctgc tccagacctg gaatcacctg 360
cttttgcca agttctataa ccagagggtc tctgggtccag ggaggtgtca ataatacgtc 420
catctaccaa gcttcccgtg tagtg 445

```

<210> 732

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N29568

<400> 732

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ctttatcggt atttggttgt ttctgttcct tatcttttcc attctctgtc ttctgctctt 60
ctagatacct ctttgtatag gctgctcctc ctgaagcagc actctcctcc ttctgagatg 120

```

```
agccatatgt ggagccagt gatggtggac tcttaccac agggctcttt ttggatggac 180
tcagggaccc agaaccatgg tcgaactgac cttggtgtgt ccagactga taccggcac 240
cactcggcag agttgagccc atctgggatg tgctggaaaag tggaggacta ggttttggca 300
cggggctagg acggggtgac cgccgcctca ccaccacaga ctgggagggg gcttttgaga 360
gctgggcttc gctcccgagg actcagctca gaaactgctg agggccgtga tgcagaacca 420
gtgccgtagg tggcatca 438
```

<210> 733  
<211> 497  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N30198

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<400> 733
tatttttcat gaaatgattt attactttta gaaaacagta taaacttaca aactataaat 60
taagatataa gtatatttct gccaaagtaa gtcaagaaaa atgcacttca gaatcagctt 120
ttattacagg caatgtattg taaactcgaa catccagaat ctgagttaca cttattattt 180
ttaacatttt actcaataaaa aatctgatat actgggtcca agtgatgaca cattccaaat 240
taatgtaact ttcttgcagc ttaaataaac aaatttagat caccaagtga aatcaaagcc 300
aagtgtattt gcacaactca agaatgatgt gaatggatta gaatctctca tagtgcatac 360
ttcgccattt atacacaaac tttgagagtc ttctgagtga catgggtattt aactttgttt 420
ccaagggcca aataactaaa tgtatagaat atcctactct atactcacta ttaaattgtca 480
tggactaggg aaatctg 497
```

<210> 734  
<211> 585  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N30856

<220>  
<221> unsure  
<222> (1) .. (585)  
<223> n = a or c or g or t

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<400> 734
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tacaacttgc acattgagtt cagcattcta taaatatggc cacataccaa gatgtgaaca 180
tattcttgtc ttatataaga aaaggctcag gttgtatgcc acaaactttg aattaaattc 240
cagggaaata ttgctttggg aacatgaaca atttgtacca cattccatta aaaaaagatt 300
taataaaatc cctcaaacag cacttttcta cttgtttcgg agtacacaat tcccaaatta 360
gcacaaacaa aacaaagcaa aaaaagaaaa acagacagaa tgtaaaatgn aggttgctac 420
ttttatgata tcacttccct ttcccttcct tagctagtgg tcccttccct tcccctaata 480
gtaagggtgg gngaattggaa atggcctatt cctatcccca tccatttgcc tccaggatcc 540
ctgcttaacc naatgnggta tggtcgnctt ggccacctgn cacc 585
```

<210> 735  
<211> 544  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N32521

```
<400> 735
ccagacatta tggccaagca tgccatacaa aactgtgttt atcgtgaaac aatctgagtt 60
aggaaactag gattgttgcc accaccattt atttatctag ttcataacta aggatagaac 120
```

```
actatagcag tgctagagat gcaaagacgt ccctgccctt aaggggttac aatcttactg 180
gagaatataa caggcacata agaagctgga ctacaaggaa gcatgagcta acaaattgcca 240
gacttcggaa ggcagcgtag tttgagaaca tgggattcag agtcacaaaaa cccacatcct 300
agtcccaacc cagtatatca gttaacctct ctgggttttt tcccagctac aacattaaat 360
tagtaagact ggagaggctg tctgcatgtt tccatcatca ttcagatcaa aagctgagat 420
gagcttttagg gaggaggctg cacctgagcg ggacactgaa ggaaggcaaa ggaggtgttt 480
cagacaaggc aaagcagtac tgaggtagct gtaagcttgg agtttggatg ggagcgacag 540
ccag 544
```

<210> 736

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N32748

<220>

<221> unsure

<222> (1) .. (579)

<223> n = a or c or g or t

<400> 736

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cagcagaaga gtgacctgat tttattcacc ttttattgga aatctgtggg acagaactag 60
gcaatgaggg tgctacaata ataaagggtga gtgttggcag tggcttgacc agagcagaag 120
tggaatgaa acagttggat tctgtttgtt ttcaaagaag agtcataga acttactgat 180
ggnttgttat gtaggatgtg aaagaaaacc acagaaatga ctccaactaa aacagtaaaa 240
tgccattcac taatttcaag atgatgagag aagctgtttt gcagagataa tgaaagaaat 300
tctgtttgaa gcctattaaa gtttgaagtg catattaatt ggactttcaa gttgagatgt 360
caagtaagta gcaggggtctc tgagtatgga atacnaggct gtgggcnagt gacttancgt 420
ctgcaacatc cacatatagg cagcatcncc atagcaacaa acatccngtt ccaaataatc 480
cgccngattt tcntcctcca cgtccatctt cctcagagtc catcaggggc cncagnact 540
ggcnaatcca cncatgngcc cgttacctcc ttctcngca 579
```

<210> 737

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N33927

<220>

<221> unsure

<222> (1) .. (355)

<223> n = a or c or g or t

<400> 737

```
acaattctcc gcagatttta ttaattataa cttttttttt cagacgtcct gccatcttct 60
cattcagact tttcttagca aaggtagtcc atggcaagta atgaattccc agtaactagg 120
tctgtaacag aagtaaattc tgtttttatg tttataaact caaaaagtaa catgaagtgc 180
aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagtg tgcagcaaac 240
caggatgaag ttggatttgg gtgggatcca cacaggatc tttcaggcaa gatgagactt 300
cccaagttcc atgnatagat tcatattatc agttatttta tgcattcatt tctcc 355
```

<210> 738

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N34517

<400> 738  
 ttttttgttc tcaaatatatt tttaataaat agacgaaacc acgaaaccac tagactgatg 60  
 gcagcaaaact aagggtcagat gagaggggaa actagagaag gagcagcctg agtcagtgac 120  
 acaacctcct ccccgaccct ctaggttaag gcacttccgg ggaggcaggt ccttgggggtc 180  
 ctgttacaca ggggtgaatgg gagaggaagg gattaggatc ccttctcccc acctttgcat 240  
 caggacaccc ctgcccttct caccctaccc catggccctg tccctgattt acccactctc 300  
 atctcacagc actctaaggg gaagtttggg tgggaggagt tcttgtgggt gggagaggtc 360  
 tgtgcccctg aggaagccga tcctgccaaa tcttgatgcg acaccagcag cccactctac 420  
 cctcttcac ccaaggagcc at 442

<210> 739  
 <211> 455  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N34817

<220>  
 <221> unsure  
 <222> (1)..(455)  
 <223> n = a or c or g or t

<400> 739  
 aacagggatt tatagcagct ttattcaaaa taactaaaat ttggaagcaa ccaagatgcc 60  
 cttcagtaag tgaatggata aactatggta cacacaatag aacataattc agcactaaaa 120  
 agaaatgggc tatcttgctc tcaaaagatg aggaaactta aaagcatatt actaagtaaa 180  
 agaaggcagt ctgaaaaggc tacttactat ataactgcaa ctatgtaaca tgcgaaatga 240  
 tggagatggg ttgcagggtt aaggggatga tatgtaataa acaggaagag cagggatgac 300  
 ttttagaaca aagtgttctg tgaggtacta taaggctggg atacatgtca ttatacattt 360  
 actccaaacc cataagcatg taaaaccncc aagagttaac ccctaattgg aaacctatgg 420  
 gcccttggga ccacctatgg atggcnccaa tggta 455

<210> 740  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N36001

<220>  
 <221> unsure  
 <222> (1)..(412)  
 <223> n = a or c or g or t

<400> 740  
 attagtgaat tagtttattt aaaaccatca gtttttccaa tgtgaatgga ctggttcata 60  
 tcacaccata tttagagata caagggtgatt ataactaacg tgtctacaag acatactggg 120  
 tcaaacaatg tgatcaatcc aaagggtatc tttttaaaaa gaatttaagt actcagctgc 180  
 aaagataagt tcactaatga gattttcttt tttttttttt taaaaaaaaa aggtttttta 240  
 tgagtcaaat ttattacaaa aacttagtgt gtaatcaaag ccaaatacat tcctcaggca 300  
 tgccagcgga acgcaaaata atgttaatag aatgttatta aaaaataaaa ctttttctga 360  
 atgatataata taanacctca tggcacatta tcctcatttg gacaacngga aa 412

<210> 741  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. N38882

<400> 741

```
accatgccaa aagattttatt aatcctttcta cataggcaat caatgcatgc atattctttt 60
ctttacaaag acaaaaagcca tttaatcctc cttataattt agtttaattc tgtttcaa 120
gtttgacctt gatggcctgc agtgctctat ctcttttatg tattttacat attgttataa 180
ctgacaatta atataaagtc ccttttcaact agggatacga tctccttggt tcgggtttgt 240
agccagtccc ccaaattttg catgaggaca aattcacgat tcttatgagt gtgtccttga 300
atcccttacg tcaaggtttg gtgccatgaa ggatgaagct gctgagccct gaagtcgtgg 360
ggctaagggt acacggacaa ttaagcaact taagtgacta agcccgtgtc tgattcccct 420
gcagg
```

<210> 742

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N39415

<400> 742

```
cagagaataa catttatttt atttggaag ttttcctaaa tatgagacta tctgctattt 60
ctcagactaa gtgaaaaatt taataaaata gctgccttga taggaggaaa acaaagttct 120
tactttataa ggaataacgt atgaatcata aaagaagaat gagcgatcat gggaaacatt 180
tagcttttca aagtttttgg aacatgtacc ttaaagtctt ttgggatcca gtaaaggcca 240
ggaaaggcaa agagttgaaa gtttcttgga tttatcctcg tacttacatc attagtaata 300
ggaataatgc atctcaaatt tggggcatth atataaaaac atgattttta aatggtagtc 360
tagtataaac taggattttg taatgctgtt taaatatttt catattactt tgtttcgaac 420
gtagacattc
```

<210> 743

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N40141

<400> 743

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gctgactcaa gttcttcagt tcacgatctt ctagttgcag cgatgagtgc acgagtgaga 60
tcaagatcca gaggaagagg agatggtcag gaggctcccg atgtggttgc attcgtggct 120
cccgggtgaat ctacgaaga ggaaccacca actgacaatc aggatattga acctggacaa 180
gagagagaag gaacacctcc gatcgaagaa cgtaaagtag aaggtgattg ccaggaaatg 240
gatctggaaa agactcggag tgagcgtgga gatggctctg atgtaaaaga gaagactcca 300
cctaataccta agcatgctaa gactaaagaa gcaggagatg ggcagccata agttaaaaag 360
aagacaagct gaagctacac acatggctga tgtcacattg aaaatgtgac ttgaaaattt 420
tgaaaattct ctccaataaa gtt
```

<210> 744

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N47686

<220>

<221> unsure

<222> (1) .. (513)

<223> n = a or c or g or t

<400> 744



```

gggttttatgg ggtttaattt ttaataactgt taacatcatc gagccagcta aacaccaaga 60
atatcaataa atactaatag tttgtttttca ctctctcctt ctgttggagc actttgactt 120
tatatacatt ccagtccttag tgccaaggcc ccattggggt tcaaattcca taccagagca 180
catcacctgg atgtgactct catatgctca aggatattcc tggagttgaa aggaaatata 240
aaatgagcat aagaacagat tacagacgcg tcagtatgaa agttgatact cgtgaaaaaac 300
agcagtttgc tgagaccctg gaagttagct ggagcagtcg ggcagaaatg actcgtgacc 360
atggctgcaa atggggcttg ttctcacaaa gggctttcca ccattctttt cttgggcttg 420
caggtagaag atgcggtttt cttcaggata agtaacttta ctgaggggca tcttgtagat 480
gttggaattt tttgtggtca tgatgaggaa cnt 513

```

<210> 745

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N48056

<400> 745

```

atataatatt caactttatt tcaaataatc caatttttaa atttatcaat ataccatta 60
cgattctttc tgagtgcacat accacacaaa ttcaatacgg attctctaaa gaatcctctt 120
aggctacttc actcaaagtc tctgcagctg cctgcactgt gaaggctgca acataaatct 180
gtctctttcac ttctccccag gccttggaag ggtccacttt gctttcaata tcaaacagag 240
catcataaat tcctgggaat gactcccctg catacttggt gtggctgctt ggagcataga 300
tgacatgcct ataaaaaggc ctgtctggta accctaattg atcaataaat gctctttcca 360
gaaacatgag ttgatcattc atcattctta atactattgg gttgcttttg gtcaaagtcc 420
tggagtctct cactgaactt gg 442

```

<210> 746

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N49899

<400> 746

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ttccaacaac atttggttta taaaggaata caaacaggca caaaacatgg ttcagaagat 60
ttattaagta aacttgctaa aatatggaca gatacactta gcagtcaaac agttgaatat 120
taattgctac ctcatataag tttttgtatc tgtattacca ggtccaaaca taaaaaccac 180
ctctgttcaa aaaataaatg ttcagagagc tgtatgttct ttgttcttgt atgtacattt 240
taaaaaaaca cctctttcca gtcttgctaa ccaagaatat tagtcatata aaagaactta 300
gaattttttt cccaagtac aagctatctt ttggctccaa aacagttctg aaggttttat 360
ttatatttta tcttatcccg agggaccaac agcagggcac acctttggcc aggccttctt 420
ggcagaaaga cacagagccg taaagggaaa aaataaaatt gccataaagg tatag 475

```

<210> 747

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N51529

<220>

<221> unsure

<222> (1) .. (474)

<223> n = a or c or g or t

<400> 747

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gcaaaaaata aatataaaat ttattaaaac acccacaata ttttaaagat accaggagta 60
atacagttca caaacccagt tgtttgtgta aattataata aaatacaaat caaaaaggat 120

```

acataacttgc aattttctagc caccctaaat taaattttact gaaacactga gggagaaggg 180  
agggttaagga ggggtagctc aggaggcaaa ccaataaagt ggaaggaaaa aatattaaca 240  
aaaagggtaaa aattatataa aataaaaatta tcagcgtaaa tttactgtac taagaatatc 300  
tacagtttaa tacacatcct attgcccttg agacatttgc aaaaatctac cattcatcca 360  
tcaaccccag attaaacttc atttttcaagt agccccagtt ttaccaagtc nagacnggaa 420  
tatttcaggt atgggttggt aagttcacct ccantgggag gccaggttac ccaa 474

<210> 748

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N51579

<400> 748

atcaaagtct tttgattatt tattagacag ccgcactgta ccaaattccac ttggctgttg 60  
gtgggtttgag aaacttggtta catgctttca ttgaagtaat aagatcctgc tcttcataat 120  
cgcagactct caacagctgg tgagtgggag aacctcatgt aaacaacctc ctctgagttc 180  
attcttcagg gctcatgaga ccagtcacct tttcttcagc tgaaaaaaca catcaagaaa 240  
atgaatgctt ctgtcctagg ggaacatgac acaatgagaa gtaatcaata actagaaata 300  
gtgtgggagc gtcttttaag aaaacattat gaaatgtaag aaggctacac acacacacac 360  
acacacacag attaaacaaat tttaaaaaga tatctgggga gatcccccta tcaactgtgg 420  
tattcatggc acaagtttat ttaaaatctg gtggcctaca tttcccaat 469

<210> 749

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N52254

<220>

<221> unsure

<222> (1) .. (507)

<223> n = a or c or g or t

<400> 749

tttctattaa tctttattta tatgatgggt ctctggaaag cacttcattt taaaacctgt 60  
ttctgagata agtagcataa ggcgcatctg aagaaatact attggtgtat cacagagaac 120  
ttccatgcct tgaaatcatt tttttcagag tattattaat aagatgggtc agctatgcag 180  
agcaaaaaag aaaaaaaatc ttcaaaagcc aagactgtca ggcacatgaa ggtatgcata 240  
aactgtcttc acatttaatt ttgtatgatt cgggagatac ctccatgtac atctaaccag 300  
gtcaggcagc ataagtcctc agtaaccctg gggtgtgccc gcttcaagcc aaagtattct 360  
gttgagtttg gtttgtggag agacatttga aatgttgctt catagcttcc attttctgga 420  
gaagtggaag aaatgaagcg tnaaaaggcc taggaaatcc tcgtcttctc caggctcttc 480  
ttctccttct gcagnttctt cctcctc 507

<210> 750

<211> 166

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53359

<400> 750

catctaaaaag tgggtttttta atatatatat tttttccaaa ggaagaaatt tcttgctttt 60  
actcaggga aaaaaaaaaa ttaaggtaca tttgagtaga atgatttcat ctaaaagagt 120  
tctttcagga gacatctgtg attcactgca ttgtttttat tttctt 166

<210> 751  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N53447

<400> 751  
 gtatagagta aaatttatta tagggttgta gaattcatac aacctaaact ccttacagca 60  
 ttcagcacct acacaatttt gtgcattcca aatacagata gtagtgagaa agaatactg 120  
 cattagtttaa aaatgactgt ctcattgaaaa ttctgttcaca tataagtcag gtttaattaca 180  
 gagcacctaa cagaactgca aagatgtaat ttctaaattc aagaaagttg tacaaaatga 240  
 aaaacaaaag aaaccaacaa tgttgagatc tgatatattt tacacaaaaa gttcaaaaaac 300  
 aattttaaatt atttcaaatt ttaaaattgc tccaccataa gatgaataaa gagcttactt 360  
 aaaggaaaag aaaaaaggaa 380

<210> 752  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N54053

<400> 752  
 acaggaaaaa taaggcattt attacagatt gaaactgatc agaagaaaaa tcacagaatt 60  
 cacaaaaatca ttctttgttg gaacttttct tccttcatt gcattttgct gtttaagagaa 120  
 aaggagtgtg agggtcagac caccgtggca tgcgttcaca ttccagcttt ggaggccagg 180  
 gaccaggac tcctgggaat tattcaaac cagatccgat gataccagac actagagcag 240  
 ctatgaaaga agcagctcct 260

<210> 753  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N54845

<220>  
 <221> unsure  
 <222> (1)..(441)  
 <223> n = a or c or g or t

<400> 753  
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 tttaaaatat acactgaatc tgaggcaacc caaaatgaac aatggaaaga aaactagtaa 120  
 atctgaaatg tacttcacat tctacttaat ctaatttaaa atataaattc attgtgcaac 180  
 ccataagaaa gatggtccaa cctgtgggta tttttaaaaa ttctaacagg agaaatcatt 240  
 taaaattttt ctttttcaca atggcaaaaa ggaaagaatt tgaacataat atttaatttt 300  
 taaaaaaatt cagcctgact ccgacctga agatttcaga aagaacatcc gtcactatta 360  
 aaatggatgg acagggccca aatgggggga ttggtttaan ccagnttttc ccaangttaa 420  
 acccaggaat tangccccc g 441

<210> 754  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N55085

<400> 754  
aagttccaaa atagcaaaca taatttttatt ccacttttgt taaagaatgt acataaatat 60  
agaaaacacc attaatggtg gttagattaa agggagtaag gacttgcaat acatactttc 120  
ttcttttatac ttttattttcc taaactttttc ggcaataagc atgagttact cttctaaaca 180  
aacaataaaa ccaacaaaat acatgaacct agtgtatgaa tagcaatatt ccaattagaa 240  
aataataaat tttatgaatt acctaatacag gactgtttgt tatggatgga aaatttccac 300  
caaaactgca gaaccagaaa ggcaacacta ctatttataaa cactaaaagg tgggtgatgga 360  
gaaacaaaat ctgctctatg cattataacct tggatgattg acaagagaga atataaat 420  
attattc 427

<210> 755  
<211> 400  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N55502

<400> 755  
ctgtgaataa aactttttaat aatgtacagc agaaattgga caggctcatt cttatattaa 60  
aacaaaagat ttcctatatt acaattttatt tacatttgca tactgaagag gttaaagtgtc 120  
taagtggcta ttttacagtc ctttctaata aaatgtacaa aaacaaacag aagtaccgag 180  
aatgccgttc gggggccttt atggcgacgt aagaacgggc ttggacttgg tctgtgaatc 240  
cagaatccag aggtgcaggt agcactactg gatcaggggt agcctcgggg ggccaaaaac 300  
acggcttcag tttctcccca actctcactt agtggttaaga gtggcagagg tgggtgtggg 360  
agcttcccaa agacctgctc catcttcccc agaggtggaa 400

<210> 756  
<211> 430  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N57577

<400> 756  
ttccctcagg tgggttaaagg ccaccaaaca aatactgggc aacaggggtt tgttgggaga 60  
gttagaaata aaaaattaac caaattttgt ccctgtgtta attcaatgcc agcaaggagg 120  
caagtactga agaagaaaag ggacaatttt cataactaaa agaattcct ctaatcatgt 180  
caccatctca tataatgaat ccagggaatc ccagaaatag aaaattagtt tcaggggacc 240  
cctgaggcac tttaaagcct tttaaaaaat tacagtaata ataaattaga tattgtctct 300  
cagaggctaa cagagcagca gaagcatcaa gatcaggtcc aaagagttat gcccacattt 360  
acaggcttcc tggagctgct cagccctctt ttaaagctta gttgaatcct ttaaaatacc 420  
ctttaaaaag 430

<210> 757  
<211> 369  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N58172

<400> 757  
cctgaccgta ctctcaaaa tccagattgt ttgtgcatac atttaaaaaa aaaatcaatg 60  
gaaattttcca cttttgttcg aacacataaa gtatgccatg agcaatataa catcacaac 120  
gtactgtgac aaaccattaa taaagaagga ttactaagcc aggtgtgggtg gtgcatgcct 180  
gtagcccagc tatgcaggag gctgaggcag gaggatcact tgagccccggg agtttgagtc 240  
caccctgggt aacacaccaa ggactccatc tctaaaaaat taaaattaaa aggattactg 300  
aaagatctca tttctaaaaa aagaaaaaag aaaaagatca ctggaagtcc agacatgata 360  
tttttaatt 369

<210> 758  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N59532

<400> 758  
 ggcaagtaag aaggaagttt aattttttttt tcaggattca gtggagtcca ttaatgcata 60  
 ccaggggcaa agatcagccc agggtaaggc aagtctggga ggaagcccac cctgccctac 120  
 agcagccctg gaactcagaa taggtggtga gtctgccatg gtttgctact gggcagcaca 180  
 ctagaccaac ttgggaatgt ggaagagtga gtctatgttc cctcagccat ccccaagttt 240  
 acacacaggc atagcagccc tactgtgagt cagcaatcat tcttgacttg cagtaaggac 300  
 aatttgcatt tacggaaagc aaactggagg gggtagccta agtccgcact gcccatgtta 360  
 ttaccctttg caatgtgaaa aaccatgggtg aggtagggtg ggcagggttt atcctctcca 420  
 caaaggtgag cttttgctcc acagc 445

<210> 759  
 <211> 473  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N59831

<220>  
 <221> unsure  
 <222> (1)..(473)  
 <223> n = a or c or g or t

<400> 759  
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 atgtagacaa tctgggctaa atttccatgt atgttttgaa aaataatggt agcatgaata 120  
 gattcatatt taaatatgat tttaaatact cttaatagag gagacataag aaatatttac 180  
 ataaaagcta agtagcatga tacagctcat gggtatttttc ctcataggaa aacaattact 240  
 tgattttttt tttttgcata ggattaagac tgagtatcct ttctacattc ttttaacttt 300  
 ctaaggggca cttctcaaaa cacagaccag gtagcaaatc tccactggcn ctaaggntct 360  
 caccaccact tttctcacac cnaagcaata ggtaggnatc caggncaccac cttctgaggg 420  
 nccggaagga atgggttccg gaaaataatg gnttttaaaa nattaccatt aag 473

<210> 760  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N59862

<400> 760  
 tgccctggcca catttgcttt attataaaga tattacaaag gactcagttg aagagatgca 60  
 taggacaagg tatgggggaa aggggtgcaaa gctttaatgc cttgcctggg tgtgccatcc 120  
 tccaggaacc tccatacgtt cacatatcca aactcagtc tcttggtttt gtagggaggc 180  
 ttcaagatga cagcattcct ttccgcagag tataggacag aacctctct gaaatggggg 240  
 tcttaggact cacagaaagg taggggaaga tcaagagtcc cgtcttagtg aaggtaaaag 300  
 ggcagaagtg aagtgagttt cctgtggcct aacacacaca acatgactat aacaagggct 360  
 atagaagtta tgaacgagga actgtgggca aagatccgta aaaccagagt gactaaggca 420  
 gtttacctaa aattatgcgt gaaaccattc tc 452

<210> 761  
 <211> 441

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. N59866

<400> 761

```
gtttttttttt tttttttaat acaaaattta ttttatttct atgtactaac aatgaacaat 60
gggaggtatt tacaattaca gtcaaaacca taaaacactt agaattttac aaacttcaag 120
acctacacac tgaaaactat aaaacatttc cgagaagtca aagactaaat aaatggaaga 180
tgatactatg ttcattcaatt agagtactta atatgttatt aattctcact aaattgattt 240
atagattcca tacaatcctg ctcaaaatcc cagcaggctt tattctgggg aaatattgac 300
aacctaattc caaatgttat agggaaatgc aaaggacctt gaacagccaa aacaacttga 360
taaaaggaca aaattgaaat ccttaaattt gactcccata tttccaacaa atctacagta 420
attaagacaa tggatatagg g                                     441
```

<210> 762

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N63047

<220>

<221> unsure

<222> (1)..(419)

<223> n = a or c or g or t

<400> 762

```
ntttttttta ataaatatatt taattctatt gttgacattt acaagtagaa agcatacagt 60
atgttacaaa tatcaaaatg agaaaaatat gaatgttaca taagtaacaa atataaaaaa 120
agtatttttct taccttcctt gaaagtaaga aaactattca gcataggaaa atatcagtat 180
caaaaacaca gcttaggtgt aaaaaaagt tttacacagt atttaaaaaa aatgatctac 240
aaaatgacaa agtaagtgtt gaaatctgat ttcataataa ttataaaaaa tgggtactta 300
gagtaaatgt tatctgggtg gaaaaataagt ccaatcataa gctttcctta ggtcaattct 360
ttaaaatatt aaaagcatac cgaaaaattt tccaataaat aaccttnaag aggggttcc 419
```

<210> 763

<211> 189

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N63536

<220>

<221> unsure

<222> (1)..(189)

<223> n = a or c or g or t

<400> 763

```
nagcaagcaa aaaactacct ttatatatga tgttattcaa atacatggat aagataaacac 60
attttatgat gtaaaaagta atatttaaaa attaaaaggc aagtctttct ggtattcaga 120
agtctgaagc aaccactgtc cagctcttta aaaagagcac attccattct ggtggcacac 180
aaatgtaca                                     189
```

<210> 764

<211> 523

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. N64683

<220>  
<221> unsure  
<222> (1) .. (523)  
<223> n = a or c or g or t

<400> 764  
acaacttttt taatatatat ttttataaac aggtcacgtg ataaaatagc acaagaaaca 60  
cttaccaaat ataaggttat atcttccgca tatacaggag aatgaggtcg ttatgtacaa 120  
taagaaaatg attttagggg ttggttggtt ttgttttctt ctctcccctt aatttttctt 180  
cctacagtcg ttggaaatat cacagcttca gttgcattaa tactttgggc aaatggacag 240  
ctgccccctc ccactagggg tctgtgggga ggaggggctg gagaaactgg ctcttgacca 300  
ctcagccctg gagcttcttg gggctggcac tccagggaca ggaaaatctt tgggctgttg 360  
atctgtttct gattcaacag catctctctc tctcttttcc ctctctctcn cagtctcatt 420  
ctctctctca ctctctggct ctctgggaaa cgggtactct cttccaacca gatagggagt 480  
gtcccaagat tgggtgtggg gcgcggtatc tcctggggnc ttt 523

<210> 765  
<211> 483  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N66001

<400> 765  
gagcaattat tgaaagtagt gatataatta agagttagt gtaggtgaat ggggagattc 60  
atgtgccttt gactataaga agaagattat tacaacattt ataaggttca ttacaagtcc 120  
tagaaaatta taaagtgaga agaattcttt gtgagtagct cccaatctct ccctatctgc 180  
ccaagtagta gcataatatg tacatggaag tactactttt taaacaaaat tattccttct 240  
ctctttccat ctccaccttc aaaattaaat tgttcattcc tgtctttgga gaaagaatct 300  
gataaattaa ttacacttag aggttttgat gaccaattct gatatacata ttattcctac 360  
caggctttat ttacatcaca aaagtttttg ttcagagctt aggatacata aacataaata 420  
aattatgaaa tttttattta aacattccag gtaaagagtg ttttttagcag aaagagcctc 480  
ccc 483

<210> 766  
<211> 412  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N66053

<400> 766  
cagcattatt aacaaattta ttgaacaact agaacttgac aagcacatgc caggtagagg 60  
ggatacagtg gagagcaata ataatgatga taatgaggag tagtttttcc ctacgaggca 120  
gcagttgaaa ggaatatttg tttaacatcc accaatgagc aggggtggat agaccctct 180  
cctggagaca gagtcataa cgggattaaa aatatccctg taagccgggtc acccgggtggc 240  
tcaagcctgt aatcccagca ctttgggaga ccgaggtggg tggatcatga ggtcaagaga 300  
tcgagaccat cctggccaac atagtgaacc ctcatctgta ctaaaagtac aaaaatttgt 360  
tgggtgtggg ggcttgcacc tatatttccc agtactcggg aggctgaggc aa 412

<210> 767  
<211> 401  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N66802

<220>  
 <221> unsure  
 <222> (1)..(401)  
 <223> n = a or c or g or t

<400> 767  
 ttttttttca ggccaaacta aagctttatg ctataaaaaac aagaaataaa ataaggagat 60  
 ttataggccg gctgattgtc agcaaacaca atatatttac tgtattagca tttgctcaca 120  
 gtgcaaattg tacaacatta caccatttca atatttcggt ttttaaaaaat gctgttttca 180  
 ttaactatat tatattggca ttacaatatg acaaaggagc aaatgaaatg ttgggtgaaga 240  
 atttcacctt ttcacaatat caagcatatt tttttaacct tagtataagg tactataaat 300  
 ccaagaaata aaacatcca caaaatatat tacatctngg tttgtctttt ttctaagtac 360  
 tcaactttat acaaaaagtct ttcaaaaaat atcatttccc c 401

<210> 768  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N67041

<400> 768  
 aacatttcat ggaaaacttt ttattggttt tctggataga aacaggaatt tatttgccag 60  
 gaagaatgat cccatcatac ttcagctaga accagtgatg aggatgattc agtcttaaaa 120  
 aagaaggaaa tccagtcata agctacagca tgtatgaatg ttaagtgaag tacgccagtc 180  
 acaaaagaca aatactgtgt aggtatccaa agtaatcaaa ctcatagaaa cagaaagtag 240  
 aatacttgct gccaggggtt gcaaggacca ggaaatggag agctgttatt caatgggtat 300  
 agtttcagtc aagtaaaata aaagaagttg tacaacaatg tatatatggt taacaatact 360  
 gtattgtaca gttaaaaatt aagataaact tggatactta tttttaatgg acaattttta 420  
 aaaataggtg tgggtaacaa tttccaatgg g 451

<210> 769  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N67108

<400> 769  
 ttcgtgtgta aaataaaactt tattcgctcag aggttttctaa acgctcatcc ttcaaggaaa 60  
 acggacatat gctgaagagc tgataaacag tctacagcag tgtttttcta acttaatctt 120  
 gattacaagt ccttgccatt ttctccagc tgctgttgac tccagttata tatagggttg 180  
 gggaaagggg attatctatg gatgtaggca tcaactgtctc ttgggcagtt atcacatttg 240  
 caggctgaag ggatgtgatt ttataatca aactatccat ttggaatata aatctggagt 300  
 ggctgtaaaa tttgcttctc ggagatggag ctttcaaatt tgggactttc aattgttctg 360  
 ttgttttagt tggtctcgtc aactggggaa ctgtttgtga ctaagctttg ttaaaagtag 420  
 agaagagctt ttcatagttc caacatcagt tgttacctgg aaacaaacaa aaacacacac 480  
 acatatact 489

<210> 770  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N67324

<400> 770  
 acagttcact gcctttcaaa gtgtttattc agaattatac tagaagtaat ttcatgaaaa 60



```

taatattgtg caaccttttc attctatttc aatgaaaagc aggcattgaac attactcaag 120
cttgaaattt tactgaaaag taaacatttc aattaagctt aaggaaaaaa gaaatttcct 180
gagatttcca gtgtatacag aagtgtcttt ccattaataa taattaaaag ttaaaaaata 240
tgctgataac ttgccacaat tgacagaatg cagattaata ggataaatgg caaacaatc 300
tataaaaatg catgcagaga atcagagtga tcaccccacc a 341

```

```

<210> 771
<211> 231
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N67575

```

```

<400> 771
tctattttaga tcggattttaa ttttgcaata tttattatat attcaattca aatgtactca 60
ctattgtgct aggcaattga aagtaaaaaag tataaagctg cattttgctg tctcagttag 120
gtttaagtca gggaaatgag gcatgcacac aaaataacga gaaagtagta taatagctgt 180
gatcattagt tatcaaaaata agtgaatgag ctaataatca ttgttagaat a 231

```

```

<210> 772
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N67815

```

```

<220>
<221> unsure
<222> (1)..(334)
<223> n = a or c or g or t

```

```

<400> 772
tttttttttt tggtaaagac ttttaagaga aagaagtatt ttaaaaagta gcagtgtctt 60
gaggctcagg gtgtaggatc gggggcacag ctggtcccgg gagggccctt gtgcacaggt 120
ggtggccccag ggcnaangtc tcgctcttgg gggacgcgcg gccggggggac ngccatcgtn 180
tccggccccg ggctcccggc gggctccggc ggcaggggaca atggcgaggc cgctcaccac 240
ttnaggaana ccatcccggc caggacggtn tagcccagca ccaggaagag gaccttnagc 300
anacggtcac tcttctctc canctccttg gccca 334

```

```

<210> 773
<211> 478
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N67876

```

```

<220>
<221> unsure
<222> (1)..(478)
<223> n = a or c or g or t

```

```

<400> 773
agtcaagtac tttctttaaag aaacaatagc accacattgg catagctggg ccaaacaata 60
aatgggaaag caaaatgtgc tacatctttt attctaagcc ttctcccaag tgcataaaat 120
agtaacagaa accctggagc cacagagcat gagatcgggt tcatctacac aaacattgac 180
gttccaagga gaggaaggat tctcaagggt ggacaggctt tttgtttgtt tgtttgtttt 240
ttaataaaaat tttcaaggaa gtgatttctt ttcagtattc cattggatcc ttagggtgaa 300
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tctgtgtatg taggggtggg 360
gttaagagat tttcatatcc ctaagaaaga gtggattcng atggagagct gcattaactt 420

```

tttcagggga actgcctcat cttaaaaagt ncaaattctcg tgccgaattc ctgcagcc 478

<210> 774  
<211> 386  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N67899

<220>  
<221> unsure  
<222> (1)..(386)  
<223> n = a or c or g or t

<400> 774  
ttatccacaa cggcatctgt cactgtatca tttataaaaa caaggaaaaa caacaacaaa 60  
aagcaaacca acccccacca aaataaatga caacaaagaa aaacaaccaa agggcactgg 120  
gggatacatg atgaaacctt catacaaaaag agatactagg tagcttttga ttaggaaaaa 180  
tacataataa catggtaaga caaacatgaa atagcggaat cagatttcaa agtagtatgt 240  
ttgtagtttt acatacataa aagggtgcaca caaagtgaaa attcgtccaa aaccagcaa 300  
tttcccttgg gagttngggg gggtaaggag taaggatgtg attttgcag ctgtttgtaa 360  
ttccccattt tctccaatgg gaattg 386

<210> 775  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N68350

<400> 775  
accggctaaa agctttaatc cagagcctgc cctactctga tagtaccaga gtggagggca 60  
gaataccaaa tgtccaggaa ccaaaggcag ggctgtgggg acctgaagag cagcacagtg 120  
gggcccgtgc tgctgtgggg gaaactgagg ctgggagctc agcagagacc ggtgtcaaga 180  
gtctctggga actgcatagg cctgaggaac atgcattttc aagttgtcca ttgatggttt 240  
cgtacctgaa tttctcacct tttgtgaaca tcttgggagg gtgggggttt tgcaggggtg 300  
ttaaagcaa ggcttgggag cccctttcct ccagctggtg gctccttctc agggcctggc 360  
ctcattcagg ccactttgta gagaaatgcc ctgacctcgc aggaaggatt tcccc 415

<210> 776  
<211> 285  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N69207

<400> 776  
tttctttatt atacttttat tgtttgttta attcattttt gtctgttaca aataaatttc 60  
aaactagaga gtcacagatg ttaataaaact cgcccaatgc atcacctgcc tccgaattcc 120  
atagtttcca ctgccttgcg ctacttgcag tctgattaga gaatggtaat gtgtgcctct 180  
ctgaatcaag ttcaagaata aatgccctat cctggctaac acggtgaaac cccgtctcta 240  
ctaaaaatac aaaaaattag ccgggcgacg atggcgggcg cctgc 285

<210> 777  
<211> 293  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. N69222

<220>

<221> unsure

<222> (1)..(284)

<223> n = a or c or g or t

<400> 777

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ttttatgagc aagcgtgggt tatttcataa atgcaagggt agcttaacat tgaaaactta 60
atctaattta taattatgta aatgaaagaa taaaaataat atgatcacgt taatatttac 120
agaaactgca tttaataaaa ttcaacattc attcatgatt taaacaataa aagaaaactc 180
ttaacaaata agaatagaag anaccttcaa cagtctgact ttaaaaagag aaagccccag 240
aaagcctatg naaacatttt acttaatgggt aagataaagt ttttttctaa aaa 293
```

<210> 778

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N72253

<220>

<221> unsure

<222> (1)..(320)

<223> n = a or c or g or t

<400> 778

```
cctttttctt aaggaatcca ttcatgttgg aagcccagat tccctaacat atgcactagt 60
ggttggctct gggaagtaac agtcaccaga gtctggaagt tcttcgcttg aactttgagt 120
agccactggg actattggaa gccagatggc canggtattg gnaaatgggc aaggggaaat 180
cccaagctgg gctcaagagc cgtgggttag ggaagaagaa ggtcaagtgg actggtaaaa 240
attctacttc aactgccctt attcatagat acaactttcc taacagtctc actctccacc 300
agtcccatat ccacaacca 320
```

<210> 779

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N74291

<220>

<221> unsure

<222> (1)..(465)

<223> n = a or c or g or t

<400> 779

```
agagaataaaa acttggattt attcagaccg tatgcttccc atttgggggtg cagagtgggg 60
gacagtcattg gggacagaga aaggcagtgct atttggcttc tagggacatg ctgattgctg 120
actcttttggg tgacctttgg gccaccagat gaccagctga atgatggaga tggatgatgaa 180
ggggctggcg gccaggtcct tctggagacc tcacagtgat tccaaacaga gaccaacgct 240
gtgtccagtt ggctctgttc ctctccaggg attaaggagc agatggctgg gaacactcag 300
actaattaaa gaaataaaaa ctctgggtag agggacactc tgggggggctc caattcaggc 360
agtgggtgtgc aaattcacac atgtcgtatgc gtggggccagg cccgtgtgaa aaacatgtgt 420
gtgtcngtat atattacatc ctccacaagc anctggggagc cccca 465
```

<210> 780

<211> 212

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N75870

<400> 780

tcagcactga tggaaaatac cagtgttggg ttttttttta gttgccaaca gttgtatgtt 60  
tgctgattat ttatgacctg aactgattat ttatgacctg aaataatata tttcttcttc 120  
taagaagaca ttttgttaca taaggatgac tttttttatac aatggaataa attatggcat 180  
ttctattgaa aaaaaaaaaa aaaaaaaaaa aa 212

<210> 781

<211> 229

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N75960

<400> 781

ttaaattaat agatcaaaag ctgctcgcat tacagagaca accaatagta tgaaaaaacc 60  
agcatgctat caccaaaatc caaactaaga aaaactctac aaggtaaaca acacaacttc 120  
ttcaacaaat atattgtaag agggcagaga gatgctgatg aaccaatagg tgagtgaacc 180  
ccaaacctgc agcttcagat cacctgggaa tttggtagag atgcaattt 229

<210> 782

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N78630

<220>

<221> unsure

<222> (1)..(440)

<223> n = a or c or g or t

<400> 782

gtttattaaa ccagatttat tctccacaag ctgaagatac ctgagggttac atgaggactg 60  
gcattaaata atttataaat gtatttttga ctgacagact tttatcataa ggattcatgt 120  
gtttacaaaa gcaaaatcca acctctccag agctagaaag tgggaagggtg cccgggctgc 180  
aacacagcct tgggggagga tgaggccaca taattctctc tgcccacact ctcagaatgc 240  
cccaagaagt tagtagctac acaaagccaa gccttggggg aaaacctggt ccgtgggtgtg 300  
gactctccaa aatgcagacc caaccggang ccgggcccgc ctttccatct ggaggcactg 360  
cagggcttct gaaagcggcc catcccagga gcctggcaaa cacccccaga gaccctcagg 420  
atgcgcagcc ccggggcttt 440

<210> 783

<211> 144

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N79070

<400> 783

catttcttat aaatttatta cataataata ttataataat tattatcaat aataataata 60  
taagaaacat agatctctgt ggggcgtatc acaacgtcag ggtcaggagg cctcaggact 120  
ggagcagggg gtgaaacccc ggga 144

<210> 784

<211> 446

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. N79778

<400> 784

```
atgtttagaaa attttaatat atgatttttg tagggccaat acatagtaaa gacatagctt 60
tatttcaatt gaaccgaata aaatgatgta tttcagtaaa ttaaggcaaa ggagatagat 120
gctatgacca gtggtgcaaa atttttcaaa aatttataca ttagatttac ctttacaagg 180
ttatagtcaa gaataattaa tttgtatttt aagcaaactc tactgctttt caaaaaatgt 240
cttaatcttg agtgaggat agtgaaggta atcttaatat actgtttaac tttaaaaaat 300
aatttttagaa ttatagaaaa gtttcaaaaa gagtatagaa tttatgcaca cccttctgcc 360
agctttcctt aatgttaaca atgtacataa ccataatatg attttccaaa accaggaaat 420
taacattaca gtagtgtttt aattttt                                     446
```

<210> 785

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N80129

<220>

<221> unsure

<222> (1) .. (409)

<223> n = a o r c o r g o r t

<400> 785

```
agtctagatg aattttattgc cattcacata tttcatagaa aaaaagatgt agcaaacggg 60
tcagggttgt acaaaaaaaaa aaaaaaatcc aggtttatat aggttgctct atttacatct 120
gagagcacag ctgtcctggc atcaggcaca gcagctgcac ttgtctgacg tccctttgca 180
gatgcagccc tgggcacact tggcacagcc cacaggnang caggagcag cagctcttct 240
tgcaggaggt gcatttgcac tctttgcatt tgcaggagcc ggcacaggca caggagccaa 300
caggcgangc aggagcagtt ggggtccatt tgcaggcaag gagaagcagg agttcccgat 360
tcaagaggaa aacacgcagc gggacagatt ctctgtgcga attcttggc         409
```

<210> 786

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N80152

<400> 786

```
acctctgtca atgattcttt tgagaaaagc acccataatt tgctacttga ggattttatt 60
ccctggattc tctggatgct cattgcatga aaagtggaaa agtttagatc tatggaaaca 120
gaactgttgc ctatatcgga aaatcagtgc cttgtggaat acaggtaaga acagtgttgc 180
tcttgaaaaa gtggacagtg ggtggtctga atgtgtcctg gtccctggag tgggttttta 240
gattgatgtg gactcttctt agacttgtaa gtaaaaaagt tgtttcttcc cctaaaaggg 300
aactcgtgcg ccttagacct ggggaatttc tgggaaactg aaacattctg tagactttac 360
ttgtttccaa ctgtatcgca gcaagaagtc tatgtgcccc aggatc         406
```

<210> 787

<211> 219

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N80693

<400> 787  
cacggtctgt acagtttata cacagagata gggaccgccc ctggggcccga acccctacaa 60  
atatagatcc tctctacaaa atagagataa ttttagccccc ccatagcagc tgttgggggg 120  
ggaagggggag ggcacaggag gaaggggggag actccagctc ctgccacccc tcacgggtaa 180  
cagagggcag gggcagggcc ggcggggaca tgaaggcac 219

<210> 788  
<211> 204  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N89827

<400> 788  
aatgctctaa gttattttta tttgctagaa gactgatttt tggtaaggag cagcatctaa 60  
taccttgcag aagtacttaa gaataggaga caaattccac tgataattag catttcaagt 120  
gtgataatca gttgaagtat tttttccacc acagtaaaac atacaagtga agtgcaagag 180  
aaaaggtcat atggattata tttt 204

<210> 789  
<211> 508  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N91461

<220>  
<221> unsure  
<222> (1)..(508)  
<223> n = a or c or g or t

<400> 789  
ctttacattg tctaataagac ttgtttatta ttttaagctg gtaaaaagag acttatgatt 60  
catgttgaag aaagagttat ttgtgcttga tacattgaag acactgttca aaagcagttt 120  
gtccttataa aaggatgacc cctgtagtat ttcttaggca aggagggaca aattcaacca 180  
acgaaaagca catctcgccc cgagttcccc atgatatttc cacaatagc aaaaaaatac 240  
acatcagtaa tttatttgaa catgcacatc agtgagtagg cancagttct ncggcggcta 300  
ctcaagacaa caanngggag aatatcagca ttacctaaat aaaaaagaga ggtgaatcac 360  
accattttta ttgtcttaaa aacacggata agaagagcaa ttaaaatata gtcctaaaca 420  
gtactagcta atgtagatta cntaagtata ccatatgatt ccactaatag tgctctgaca 480  
agcataaccn ccagttctag ttaaccag 508

<210> 790  
<211> 154  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N91887

<220>  
<221> unsure  
<222> (1)..(154)  
<223> n = a or c or g or t

<400> 790  
atattttatta ttttattgct acattggaag tgaaaataaa ctgtaagaag ctgccaaagg 60  
atgcaacttc atgaagatta tgaaactatt gaggcacca ttgtagaaag ttaaaattgg 120  
cttatcctgc atgaggtgga agcnaaggcc tccc 154

<210> 791  
 <211> 169  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N91971

<400> 791  
 gttttgaaca cagatcactt tattggcatg gctttgtttt aagaaaagga aaagtgacaa 60  
 agccaagaga cagactctgc taacagatgc ctgggggtgg ctggacattt ttgcctcatg 120  
 ctgtgcaaag aggggggatcc tggccacac atcctgctga ttccttggg 169

<210> 792  
 <211> 139  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N91973

<400> 792  
 tttttttttt tttttttttt atggggcagc ggggggtcttt attcgtcaga ttttccttct 60  
 tggcctactc cccaggtgtg gccagggata gtccatacag tgtgggtact gcaaggctag 120  
 gatggccagc agaccagt 139

<210> 793  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N92239

<220>  
 <221> unsure  
 <222> (1)..(395)  
 <223> n = a or c or g or t

<400> 793  
 tcagaaaact aaagcagcac ctttatttta tacatacaaa cagtataaaa tgtttattag 60  
 gtaagagctg tgttttgttt acaatatatt atattgcttc aagccaatgc aaaaagttca 120  
 tacattatat tccctatttc attgtgttta gaatatatta tattgtttta atgccantac 180  
 cacagtgtaa tttttttttt tttaatactg aatctctgga ataatggtaa ggtcaaaata 240  
 tattgtattg agagttttaa aattaagagc aattttttaa aatgtaacaa acatctaaat 300  
 atctgacaat aaaatctgaa atgctgtaac ttcaacatta actgcacat ccaaattctt 360  
 gtgacttacg cattttgccc catttaacct ttctg 395

<210> 794  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N92502

<220>  
 <221> unsure  
 <222> (1)..(510)  
 <223> n = a or c or g or t

<400> 794  
 tttttttatc aaacaagttt cttttattgt ttccacacat tcataataac tatagaacag 60  
 aaagattggt ttaatttgct gtcctacttc ggtgacctga tgaatacact ggtaacagtc 120  
 cccagtttga gtaagatcag ttgaagccct tactgtataa gtccaaaatt taagaaaaat 180  
 gaatctcacg atgagcttcc tcaggcttcg gccgtgctg gaccagtcag cttccgggtg 240  
 tgactggagc agggcttgct gtcttcttca gggtcactct gaaaggggtg tctgggcttg 300  
 gtcttgccct ccagggtttca cgcgctgcag gttttacatg gctgtgggtg atccaggctg 360  
 ggattccttc tacttcacag cgggtgggagg gctcagaacg acagctgggg tctttccaca 420  
 gtggacacaa agaggtagct tccagttctt gatcaaatng atcactgggg agaaaagggtg 480  
 aactggggag aataantaac aggccattta 510

<210> 795  
 <211> 253  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N93495

<400> 795  
 tttttttttt ttttgaaagt tagggctcctt tattggggga tgtcagcaga gaacgtggga 60  
 catgaaaaca agtcttagga gtttgagaag gggctcccag gacaggctcc tctgctttta 120  
 ggagcctgtc ctggagaaat taagcagggc cccagtatgt gcagaagttg tcaggggggtg 180  
 cccaggggta tggatgaagga gaggtagtcc ccaagggcac cccagcggcc cggtagatct 240  
 ggaagatggt gat 253

<210> 796  
 <211> 270  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N93798

<220>  
 <221> unsure  
 <222> (1) .. (270)  
 <223> n = a or c or g or t

<400> 796  
 cacggctcct gttttattgc cttcgggtgt ccggagcacc tgactgcccc ggggtctaata 60  
 aatttaaggt gccgagaaca ggtcaggaca aggggtcgca aaanaggggc tgggggcagn 120  
 tggttacaaa atataccccc accccacaac aaacaggcta gaggagacca gcctggctgt 180  
 gtcggggang ggcgggcaga gggcgcccca ccagccttca gagagacaga gccacggcca 240  
 gcgccccaga gggagtggcg gagacaggac 270

<210> 797  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N94303

<220>  
 <221> unsure  
 <222> (1) .. (399)  
 <223> n = a or c or g or t

<400> 797  
 ttttttagca agacaagggtg tttttattga ggtctcagga attgcaattt gggagacaga 60  
 ttcagctaga agccacttgt gttctgaaga gagaggggtg aggaggggtt tttaaaaaaa 120



gctgaggggtg attagacaag ttgacaagtt gttttgaaag aggcaactgg cttagtacaa 180  
 aaatccatag tttattgggtt ggtgctggtg aggagttgta gtgctggtga aataaaattt 240  
 tccaggatgc agtgggtcatc gcaatttggc ccaattcaaa ggttcaaggt aagctcctgt 300  
 attgtttttt tttttggagc ttttaatttt ttttcaagtt gcagggtcatg tagggaggtcc 360  
 nttttaagaa tggcttcctc cctccaattt agagttcct 399

<210> 798  
 <211> 508  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N94424

<220>  
 <221> unsure  
 <222> (1)..(508)  
 <223> n = a or c or g or t

<400> 798  
 tttttttttt ttattattta gaaatgtaaa cattttattta aaagtaggta gcaagttaaa 60  
 aatgaatact tgcctgaaat cataaaacat aatcaagttc tttttaaaac agttaatttt 120  
 tttcctataa tttactttca tcgaaagtat attatctttg tttaacatgc tagatagaag 180  
 caatttagca acataaaaata tattagctat agtatgttca aaagaatgag aaatataaat 240  
 tcagagatga gaccatcatt ttttgcagtt aaaaaaaaaa atgttgattc tgggtgcaaca 300  
 tacactgatt atccagggtt tacatttttag ggctgaaacc ctgaggaacc tgctgggtgac 360  
 tgttttagcac tngagcagag ttcagtgtgg catgctgctc ccagagttaa aagcnaaagc 420  
 agactggaga aacnaaaaac ccacatcctt ggcatttcng aggttttcac ctggtaatcn 480  
 taggggtttcc ccaatttatt agaattgt 508

<210> 799  
 <211> 462  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N95495

<220>  
 <221> unsure  
 <222> (1)..(462)  
 <223> n = a or c or g or t

<400> 799  
 tttttgccaa acattagagt ttgtttttatt gcatgacggt tgcataagaa aaaaagttat 60  
 tgaaaactgt aaggcatcat gcaatcattg aataagctaa ttattaactg tacacttaag 120  
 ataggtggac atataatcta aaattttaaaa actagttcca gaaaagtaca taaaaaattt 180  
 aacatgatga gcttttaaat atggtttata gtttcatggt gttaaaaagt gcttcaaagt 240  
 tactgctgga aagttgctct ttacaaaatgg cgctgggggtg atgtcagatt ataaactgta 300  
 aaaaccaagt acttttatgg aattagaaaag ctaacattgt gatccccaac ttcttgaacc 360  
 agttttcaat cccatttcaa attaagttga ttaatatata taactaaaaa cactgggtta 420  
 taccccc aaa ggcttggtatc cagtagnctg tggccaccaa tc 462

<210> 800  
 <211> 197  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N98485

<400> 800

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tttttttttt tttttgttat atacatttta ttgaaaaaaa atttttacaac aaaatatattt 60
ggcaaaactgt aaaagtatac ataagtgcaa atatatcctc cttttaaaat acaagcaaag 120
tgtgagtata caggtcata aaaatatctt taaaatatgg tggtagaaaa caaccttgta 180
aaaacgttgt attgtcc 197

```

```

<210> 801
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R00144

```

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<220>
<221> unsure
<222> (1)..(340)
<223> n = a or c or g or t

```

```

<400> 801
tctaaaatat aattgtttat cccaatgtca ctccacccag gctgcagtga tggcnaaatc 60
actgtaacct cgaacacctg gcttcaagca agcctcccct aagcttccca cactgttggg 120
attgcaggca tgagccacta ttgtctgagc agtggctctt cctgcaggct ggcttaccct 180
ctgcatccca cccatcctgc aggtgaggct gaccatgccc ctagggtcca agagtcaagg 240
gtaatgaaca caccatcac ctntcaaaaag tgacggctct gtccctcatca atatgaggga 300
ntttcctcan ttcttgcat aatcagctca ggggacacaa 340

```

```

<210> 802
<211> 264
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R00440

```

```

<220>
<221> unsure
<222> (1)..(264)
<223> n = a or c or g or t

```

```

<400> 802
tttnantgan cacaagtaat atgtttattt ttaaaagtaa cttactatct atcttgtctt 60
tttcgtatca gaaaagggtg tgtaggaaa agaaaacgaa agtacaccac caagttaaag 120
aaagggaagc ttgggttaca gattcagctg cctcacgaag actgagctgg acgggctg 180
agaagggtgct tgtctgtcaa ggacgtcccc gtaaggagcg gtggctgcag cagctgctcg 240
ctgggctgtg gccgggggca ggt 264

```

```

<210> 803
<211> 417
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R01257

```

```

<220>
<221> unsure
<222> (1)..(417)
<223> n = a or c or g or t

```

```

<400> 803
aactattctt gttttatatt ttattatact ggaacagctc gtgtcctctg tctcttgctt 60
cgggtgcttg gtggcttgcg cccacnatct cccccctttt tattaactag aatcgccatc 120

```

```
gccatcattg cttgttgttg acttcggact tggtttcgga ctccttagag gcacctgcag 180
actaaaagga gacaacataa gcataccaat attaataatg ccagtaacaa caatgatcct 240
ctgacggggtt tgagccattt gaagggatta aaatcagggt aattgttttag ttatgccttc 300
aaaaatgtgt gagccaggga actgtgggat aaatggggct tgtgaagcct ccaaagattt 360
gctctttaag gttgtggaaa tatcccaagg gttaagggtta tcatcccngg ggttttt 417
```

<210> 804  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R02003

<220>  
 <221> unsure  
 <222> (1)..(258)  
 <223> n = a or c or g or t

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<400> 804
tgantttntca tagggctcgg cgtgggaaca gagcgcagga gtctgggggtg ctccaccggc 60
ggggaggggg cgcgagtcct ctcctggggg gatcggggtt gctaggcagg ggtgggtggcg 120
caagaagggt ctcgggagcc ggggggtctg gaggtggagg agtctcagca tcttgtttcc 180
tgtgctcctt cccagcaggt gcaggccctt ctgcctgggg tccccctctg aaggccctcg 240
gtttccccgg cgccaagg 258
```

<210> 805  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R08720

<220>  
 <221> unsure  
 <222> (1)..(408)  
 <223> n = a or c or g or t

```
<400> 805
gaaacgtgag aatgaaagt gatgcccgcg aatccccgaa gtcagactgt ttttttcagt 60
tccctggagg ctttttgata ctgattcgcg tacacctgtt gtttgaaagc tctcagcggn 120
gacaatgctg acccagagac acgtccttga tatgttttcc agtctggtct tgaactggga 180
aatgatcctc tcgcctcgtc cctgcaaagc atgagccagc tgggagtaca gtgggcgcga 240
tctcgggttc acttgcaacc tccacctcct tgagtttcaa ggcgattttt cccaccttca 300
ggccccctga gtagggtttg gggtttacag ggcgncacc antaattttt cgggttaant 360
tttttgattt ttttttaggt ggaagacggg ttttcccntg ttttgggc 408
```

<210> 806  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R08850

<220>  
 <221> unsure  
 <222> (1)..(294)  
 <223> n = a or c or g or t

<400> 806

ttccnaaanc aggagcttaa tgggtgaca tagtaacaag gtttgaagga ggaacatctc 60  
atgcacgtgc gtggaaaccc aattgtcatg tgtatgaact acaaaaggat ggggaaaaga 120  
acacatttcc tcacaacagg antacatgag attagaaaga aaaccggant gaggtagatg 180  
catgantgca cagacaaggc tatgtgacag gaagctgggt gacattttgc atctgacata 240  
gcagtagacc tagagagccc aaggaantcc accccaagt taccagaggg aaga 294

<210> 807  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R09379

<220>  
<221> unsure  
<222> (1)..(413)  
<223> n = a or c or g or t

<400> 807  
ttggnttgag tttggccttt cctactgcag ccagggtgaga gcttaagatg tcagtcccca 60  
atatcttcac agagtgcctt tatgaccagt ttggagaatt acgatggtaa ggggaagagg 120  
cagatatgaa gaggaatggt taggggaatt gtcattcata actctgtgct atattacttg 180  
aggggctaag aaaaatgtat ggtcagtga acacagtagt gtacccttaa atgccttata 240  
aaagaccatc catccagtct gcgcttttga ctgtgtgcaa gtatcagtaa taatgctttt 300  
ggggggctca gatgaacagc gaacacccaa tcagccaggg gctctgggaa gggaaagctc 360  
ccaaaaatga ggaagtccct tccaacaccc atttttccca ttactgttct cac 413

<210> 808  
<211> 319  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R10896

<400> 808  
ttaagccatc caagtaaaaa aaaaaatttt aatttaacaa tgaaaaagga acttcaaagg 60  
gtttatgcc aaaaacaaac cagtcctctg cagcctaact catttgttt tgggctgcga 120  
ccattgtaga gggcgatcag gcagtagatg gtccctccca cagtcagcgc catgggtggc 180  
cggtaaagca tttggtcagg caggcctcgt ttcaggtaga cgggcacacc atcagctttc 240  
tggaactact tttgtagctc tggaactttg tttttcccag cataatcata ccctgtggga 300  
atcggagggtc agtttagtt 319

<210> 809  
<211> 318  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R11526

<220>  
<221> unsure  
<222> (1)..(318)  
<223> n = a or c or g or t

<400> 809  
ttttagtagc cgaccatttc tttattaaat tatacaaaan ggnnggggag gggggcagct 60  
gtggggctcg gcaanaccn ggccccaccc cggcctggcg ctgtctgaga agaggggatc 120  
tgagggagat ccagggatca ggcagtagat ggatggggca ggacatgagg ctgggggatg 180  
cagaggttag gtgggagagg ctaccngaga aggaatgagg ctggtagggg agggagaaa 240

agagcaaaga gagagaggag caattggggg ccagctggag agctcagatg gagcagggtca 300  
ggagggtggaa caatggca 318

<210> 810  
<211> 362  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R15108

<220>  
<221> unsure  
<222> (1) .. (362)  
<223> n = a or c or g or t

<400> 810  
tttttttttt tttttttttt ttttaacggta gaaccaangt ttattaatga cagcctttat 60  
tacaatcact ctcaagtgt aaaaataaaag ggtgattaat taatatttaa aactcactcg 120  
gacttgctgt ttggcctttc agtggtatgtg ccaaagggaa gggatcttgc ctgattctga 180  
atcaattggc cagatggagt tcaactggaga atgaggcaat caacaaaaaa gacaaatgat 240  
gccaactgga gagagctcgt gtcttctcca tggttgaagg acattacaaa atggcaactn 300  
tggttggtggg cagagatgaa gtaagacaac cttacagtcg gagtaagatg tgaataccct 362  
tt 362

<210> 811  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R16983

<220>  
<221> unsure  
<222> (1) .. (416)  
<223> n = a or c or g or t

<400> 811  
ttgcagagac aagtgaacat ttatttttgt acctttcttc ctatgtgtat ttcaagtctt 60  
tttcaaaaca aggcctgagg aatctccaga ttcaattatg tccctgggct ttgtcgacag 120  
ctgcaggagt cttagggagc cttgtacaaa tgctagagtt actcatttac caacattaaa 180  
cccagagaata gaagatgcaa caaagcaggt ttccttcttc catgggaaag tgctgatttc 240  
agacaagggc agcagccaat gtaggaaaat gctgggaatt tttccttggg aactgggact 300  
gtggatgaga ggggtgcttg cccatggaac cataaggcta ctgtcttttc ttttggnccc 360  
ttcccttttc cagggttttg gaaggnataa aggccgggaa ataaatcttt ctctgg 416

<210> 812  
<211> 378  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R17000

<220>  
<221> unsure  
<222> (1) .. (378)  
<223> n = a or c or g or t

<400> 812  
ttgggggtcgg agtggtttta ttgggcagca ggggctcang gccggtgggg cgtcaccgat 60

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acaagtagtc agcctggatn ttggcggcga tctcggcctc ccacttggtc ccgttnttga 120
gcaacttctc cttgttgtac agcagctcct catgggtctc cgtggagAAC tcaaagttgg 180
ggccctcgac gatggcatcc acgggacagg cctcctgggg agaagccgca gtagatgcac 240
ttgggtcatg tcgatgtcat agcgggtggt ccnggcggct gccatcagct ctttggctca 300
gccttcgatg ggtgatggcc tggggcnggg caaatggcct tcgcagaatt ttccaggcaa 360
ttcaacgttt cttcccc 378
```

<210> 813  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R25116

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<400> 813
ccctgcatgc cttccacatt tttccttttc cctttattca tttctttgac cagtggattt 60
ggtgtaaatc aggatgttca cactctgagt gtagtgcact ttgattctaa tagggaagga 120
aatataggaa ttcttttttt tttaattaaa aaattgggca tgttttagtgg ggaagtaggg 180
taagaatagc tgtcaagagt aggaaagaga ccaagcagag aaaatcagaa agggccaagg 240
gatacagggt gttgggggga gggtaaataa gtgtgtgaga ggtctattca atttctgtga 300
ggagggaaga cgtgattacc cttgaattcc ccgggggcct ttacaggggg c 351
```

<210> 814  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R25410

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<400> 814
gtggacaaat cttttatttt ctgaagacaa gtgatttgaa gtccagactg aatggcattt 60
aagaattagg aatcctgcgt gccatcctgg agtgaattaa actaaattag agtccagaat 120
atgcagcttc tttaagaaaa aattctcctc tgaaatattt tctttccacac tgcattaagt 180
agtgttcctc atgagacatc tggaaaacat tgattgttaa aatgtgggtc tggg 234
```

<210> 815  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R28370

<220>  
 <221> unsure  
 <222> (1)..(419)  
 <223> n = a or c or g or t

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<400> 815
anatggatat tagttcttta ttgagaatca gaaatatattt aaatttacta aattcagagg 60
tagtcatggc ctctcccaa taaactttac agtcttagac aatttgtgca ttttaataaa 120
ttcttagtta tagtattaaa gaaagtggct gggcgcgggg gctcacgcct ggtaatccca 180
ggcacttttg gaggtccagg gcagaggcag ggcagatcat gaggtcagga gatcgagacc 240
atcctgggct aacacggtga aaccccgctc ctactacaaa cacaaaaaaa ttaggccggg 300
cgtgggagac agggcaccgg taggtcccgg gtacttcggg gagggctgag gacagggagg 360
aattgctttg aacccgggga ggccaagggt ncagttnagg cccgagattc acgggnact 419
```

<210> 816  
 <211> 431  
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R31679

<220>

<221> unsure

<222> (1)..(431)

<223> n = a or c or g or t

<400> 816

```
acttccaaga tnaacatttt tctgtttatt cttagaatgt gaattttttt tttcaactca 60
gggccaagta caaacttttg atttttgaaa ttttttcaac tcagggccaa gtacaatctt 120
ttgattttaa aatttttttt catgaacaaa ccatcagtag ttattaagga gccaagaaa 180
taggagatgt gaaagcagga tttctttgtg tttcctttga atgttggtat tttgagtatt 240
atcattatca gggtaggagg gaaggaaagg gtagggctgg ggaaggtagg gtccttatgg 300
atatcttgac tatgggatcc ccaggattta catttcaoct ggtcacagng gcacacataa 360
tttaggataa acatgttcaa ggaatggaca taaacagagg ggtaaacaca ggggggcttt 420
acatttgggg g                                     431
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<210> 817

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R33301

<220>

<221> unsure

<222> (1)..(443)

<223> n = a or c or g or t

<400> 817

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gcaacattct ttctttaatt tccctttgca aatggaagcc cctgagctgg tgcccacccc 60
caccctacc ccataccctg gggacccccg atgcaaggcc cccacctcaa cctggtggga 120
aaagaggagc acccctccc tatgatggc cattaaaaaa ttcctagtca tttaagaaat 180
gaggctggga atgggagaaa ggaactggga agacaaggcc caggtcaggc cagtctgaag 240
atgttggggg tgtgagacct ttgaggaagg gtttgcaagc acatccctaa gntcggggcc 300
agcatggctt gaaagggagg gagaggttga cacacagaca gatagttttg atttccttca 360
aggtcctgcc tgcctggggt gttactttta ggntgctnga catttnacca ccaccaccac 420
caccaccacc accaccacca cca                                     443
```

<210> 818

<211> 247

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R33627

<220>

<221> unsure

<222> (1)..(247)

<223> n = a or c or g or t

<400> 818

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aaaaaaaaact tttgaatcat ttattctttg gttgtctaca nagacactta agtactgtat 60
cgctgtcatg cagcggcctg tggaggccct ggggggtggc gggcctgtgt cctgagccct 120
cagccagatc caggggggtg ggtgtctggc catgtccact ccaagagcag tagcaccatg 180
tagaaggctg tgagcagggt cccctcggct gagtggcaga ttagggtcga ctgctntgca 240
gccccaa                                     247
```

<210> 819  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R36881

<220>  
 <221> unsure  
 <222> (1)..(282)  
 <223> n = a or c or g or t

<400> 819  
 tttttttttt ngtgattata cgttttatta gactcnggga ggggtaatgg caaggnccttc 60  
 atcangtggt ccttcaaatt aaaaaaaaaa aatacaaaag ctacgtagaa aacgtcagat 120  
 cagacgacta aactttcccg actcagggcc aagttcttct tgagcctgcg ctctcgggac 180  
 gcctgcgagt cggctctccga gtacgggggc ggcgcgggcg ggtagtaggc ctcttcctcc 240  
 tcctccttgt ggggtctcct cctctcctcc gaccccttct tc 282

<210> 820  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R36969

<220>  
 <221> unsure  
 <222> (1)..(428)  
 <223> n = a or c or g or t

<400> 820  
 tttttttttt ttcaagttgc tttttccctt tttattaaaa atagactcaa gcactttant 60  
 gtatcatata aaagtttcat tcgctggtgg cagccacggg aaagactggc cccgtagcac 120  
 tgattttcca cctcccctcc agggacttgg gtcccaggag cagtgactgg gcctcagaga 180  
 aagcccataa agactgctta ctctggaagc agccgactag gggctnttcc gcgagcagct 240  
 ntccccaccc cacccaatgg caaaagttag atactcgaaa gtgcctcttc agtgccaaga 300  
 taaactaaca agtgggagtg aaatgggaaa accctttgat tattttacta ttttcccagg 360  
 ggcctggggg nttttnagtt tttccctgca attcaaagtc cttttttccc ttacaatagg 420  
 ggggtagg 428

<210> 821  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R37588

<220>  
 <221> unsure  
 <222> (1)..(507)  
 <223> n = a or c or g or t

<400> 821  
 ttttttttta gaattcaggt agtgttttgg tttattatct tagtggtgtc acaagtgata 60  
 gaaaccccca ngaagtngga angaaagagc tccntgcntg gacctacatt ttgccattcc 120  
 cctcttgccc tgggntcaga accttgaagc ctttgcttgg cccttgcatg ttaggatatg 180  
 gccagaatc agaaactgat gcgtttttcc agcactacct gtgtgctgca ctcatggaag 240



gtgggaagct atacacaggt atccaacttg gttataagac accagttccc acagggctgg 300  
 atttctcagc tgtctgggta aaccagtggc acttcaactgc cccaggggtg gctgggtccc 360  
 tttctgaatt tctgtctcaa tgtgatataa ttgccaccat tcaggatggc taccacatt 420  
 ttggtatgaa caccatgact tctttaaggc aacggggggt ttcctnctca gaacagtgcc 480  
 cctgnaattt ttctctctgt gggcttt 507

<210> 822  
 <211> 239  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R37774

<220>  
 <221> unsure  
 <222> (1)..(239)  
 <223> n = a or c or g or t

<400> 822  
 ttttttttta tgtattttcca aaatcacaaa atgcacaaca ttcattngttt ttaatatgtc 60  
 aacatggaat attatataca gattaaaacc acgacagcaa aaacactcac acggtaccag 120  
 tttcatatca aaacaaaaca cacaagtgtc ttttcaatat taaaacgact gtgataaaaa 180  
 catattaata ttttgaacca tgtttacaat agngcaaaat tcatatttta ctaaataac 239

<210> 823  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R38678

<220>  
 <221> unsure  
 <222> (1)..(237)  
 <223> n = a or c or g or t

<400> 823  
 tttttttttt tttttttttt ttttttcng ttggaaattt tttatttacc actgcaaggt 60  
 ttttgctcca aagtgtcaca ccagacatat gactacaatg tctcatgcat ctttttgtgc 120  
 tttagttcat gactgcaaaa cacacactta gcatttgaca acaggaaaca cagagggcag 180  
 aaacaaatca caaggactag ttggttttagg ttacagccac attttccccg gggctcc 237

<210> 824  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R38709

<220>  
 <221> unsure  
 <222> (1)..(401)  
 <223> n = a or c or g or t

<400> 824  
 tttttttttt tttttttgat ttctcaacat caaagttaa ttattacaaa atagttcaag 60  
 caacatgata tgantttcaa aaactgtatg ttgcttngct tctngtttt gctccaacac 120  
 taatcatgct gaggtttttg aagcacagct atgactaggg caggcactct tgatttcagt 180  
 cacaaaaacc cttcttggat gaacaatact tgttcttttc agaagaaaag caattttacc 240

ttttctatatt ctattatgaa aaacagagct aaacaatttt tgtatttttta gtagagacag 300  
 ggncccacca cgctggccac gntgggtctc ganctccttt caagntgttc tgcctgcccc 360  
 ggcctnccaa agtgccgggg nctacaggat ntgaggncac c 401

<210> 825  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R39394

<400> 825  
 cctgtttag ggtgttcctc cagaagcaaa gagcaaaatt ttactgttgt gatgtaccaa 60  
 ttctaactaa ttgtaatttt taatttcattg cgtttaatca ttgtctcttc attttaagac 120  
 ttttaataca aatgtcattt ttaaagaaac aaacccaaaa ctattgtttg tgtttctgtg 180  
 tttcatattc agtgatttaa tacagtatca tgggctgagg tgggatgggg ggcagggtgca 240  
 tggatactct tcagaggcta tttgtggaaa ttttaaagga caggaagtgt ctcagtgaca 300  
 agttgggatg gacactactc cccaactttt taaattgggg aggaaaaccc tcagggtcga 360  
 gggaggcccc ggggt 375

<210> 826  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R39467

<220>  
 <221> unsure  
 <222> (1) .. (340)  
 <223> n = a or c or g or t

<400> 826  
 gagccacctc ggggtgactg agcgggaaggc caggcagggc ttccctcctc ttccctcctcc 60  
 ccttcctcgg gaggtcccc agaccctggc atgggatggg ctgggatctt ctctgtgaat 120  
 ccacccctgg ctacccccac cctgggctac cccaacggca tccaaggcc aggtgggccc 180  
 ttagctgagg gaaggtacga gctccctgct ggagcctggg gacccatggg cacaggccag 240  
 ggcagcccgg agctnngtg ggggcnttag tnggggggtg ntgcttgacc ccagcacaa 300  
 taaaaatgaa acgttgaaaa aaaaaaaaaa aaaaaaattt 340

<210> 827  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R40030

<220>  
 <221> unsure  
 <222> (1) .. (379)  
 <223> n = a or c or g or t

<400> 827  
 tttttttttt ttttcatttt tactggcttt catttggaact tgaatatcaa caagtatttc 60  
 cagaataagt atctttatgc cagaatatct ttatacatgt gtttgtgggt agtagaatgg 120  
 ggtataaatt ttacaaacaa aaatatTTTT taagaatagt ggaacaactt actatacaaa 180  
 aacaaaattc agagganttt gtgggcaaca gcaacctcaa gcagcacaca tatttcacag 240  
 agtgaatgtt catggaatat tatttctgta tcttacatgt tataaacata taaatacaat 300  
 aatttgtatt tctatttggg gggtcattgt tcattgtgga cttaacaggt ctaaccaagg 360

gttttaaactn catattggg

379

<210> 828

<211> 197

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R40431

<400> 828

ttttttttttt tttttttgtc ttgtgtgtat ttttatttca gggaaagaaa tgagggatat 60  
gataagaaaa agtctattaa aattgtaagg cttactccag acaccattgc tttaatcact 120  
cccctcgcac acagagagaa aaccctggg caagtgcaca aaaacactac tcataaaagc 180  
acgggtgacc agtgaac 197

<210> 829

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R41798

<220>

<221> unsure

<222> (1)..(486)

<223> n = a or c or g or t

<400> 829

ttttttttttt tttttttttg cattttattgt ggtaaaatat acataacata aaacctttta 60  
accattttatt tttaaactt ttaagcttct tattgaaata taacaatata ggaaacacat 120  
acacagtaca acttgtaagt aactgctca atcagatttc atctggatca agaacagant 180  
attccaatat tccggaaaag aaaagnaaac atgttaaaaa aaaangattt ttatttataaa 240  
aacctagnac atnggtant aaantggggg gttaagagag ggtaatctct ctatcccttt 300  
gtgtgtgtgt ggtatatata tatatatcat acataatccc atatctatgg catctttacc 360  
caccctttta atggtncct tttccggaat ggggggttttg cnggagggct tttcttgggg 420  
gggggtatttg gttttatttg gttttaaagg gttttggggg ggggntaacc ttgggggggt 480  
ttcccc 486

<210> 830

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R42241

<220>

<221> unsure

<222> (1)..(464)

<223> n = a or c or g or t

<400> 830

ttttttttttt ttttgaaaac agaattattt attgcataca gcatgggact gtgatcaacc 60  
tggnatcaa atgccgcgat ggctgacagg gccagggcg cgggagtgct gggaagccca 120  
gtacacgtgc tccctctctg tgggactccg ggatccacgg ggcggatggt tctntgagtt 180  
gcgagttgtt cctgtttgct ttccagcccc cagtctccc cggccactct gattagccag 240  
cctagggtag ggctggcat aaagtacac aggcaaacc cagaagaagg aaaaagggca 300  
cctgcatgaa caaagagttg ggtgacagag gntgcaccgg ggtaagactt ccttcatgca 360  
gttnggagtc cncccatgtn gggacatcag gagatgncac cncacagaat tggtnngctag 420  
gttttntctg gttttggccc agagaggctn attcccattt tttt 464

<210> 831  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R42336

<220>  
 <221> unsure  
 <222> (1)..(375)  
 <223> n = a or c or g or t

<400> 831  
 tttttttttt gtatttttctt ttaaatcttt atttatcctt ttcattcctt tatcccacca 60  
 atgcaaattg cggagaacag ctggaagcca cgtcagagcg gcacaggcca gctggctgag 120  
 tgatgctgac cgctggctcc gagcatcgag catcgagag atcacaacgg gncatcagct 180  
 ctgggagctc ctaggcgnca ggcacagggc tgctggaggg ccgcagaggn gcgcacntnc 240  
 ccagncttnc cacagtagtt tggnccttaa aaacactaag naacagttgn cattcattgt 300  
 cttttttttt cttctttttt tcctttaatt aattaaaaaa gaaaaccaa acctcctata 360  
 atttataagc tatgt 375

<210> 832  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R42424

<400> 832  
 tttttttttt acttttctgtg agcttatgag gccattctgc acattatcaa aatgaaatca 60  
 ttatgcagta acctatata tataaatcca attttttctt ttgtagaaga aaaccaaatt 120  
 aatttttaca actacattta acttagtaat ataaagaact gactagtgtg aaattttgaa 180  
 aatctaccac tttattttga agggaaagggt acacatcctt caaaaccccg gctaacaatt 240  
 cctagggttca gttttctatt atacaaatca aaagggttaa ttccttgtgg gcactaacca 300  
 aaactttaaa aattaacg 318

<210> 833  
 <211> 490  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R42525

<220>  
 <221> unsure  
 <222> (1)..(490)  
 <223> n = a or c or g or t

<400> 833  
 ttttttttaa ttagaaggaa agaggtagaa gacactgatg tctatttggt ccaagattac 60  
 gctctttgtt ctacacactg ggtaacaata attgttccca actaaagggc caggccaggg 120  
 actcgtagat gctgatggtc agcttttctt tctcctttct tctcaatgaa tctcaatggc 180  
 ccctaaccac accaactatg ccagctggc aaacatctaa tgtgggggaa agcagcaaga 240  
 tttgtgctgt aggggaataa acaccgaagt tcaggggagaa tgggggggcca taaaccacac 300  
 actgactgac caaatggacc ttgggacaaa tcattttccaa acctaggaaa tggcctccaa 360  
 cagttaaatg tgggggttagg cttaaattccc tttcccggaa cagtgtnttg ttttctaggc 420  
 tngaggtttg cttttagggt gaaccctttt tttttnttta ttntttggcc aggggtnagg 480  
 gggggaagtt 490

<210> 834  
<211> 243  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R42607

<220>  
<221> unsure  
<222> (1)..(243)  
<223> n = a or c or g or t

<400> 834  
ttttttttttt aggcttttga aaatacatatt aatgatctct ttcaaacaag tggtactcgn 60  
gttttcttttg ctttctggag ctaaattgggg tatcgatgag gcagcagtca cgggagaccc 120  
aacatgctct tggcagatac tggattatcc aactatcaaa aatggagctg tagaagaggc 180  
atgttnaact ggttaaaaca gaaaggggtat tttagtacgg tcaagttgat ctaagtacag 240  
agg 243

<210> 835  
<211> 270  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R44397

<220>  
<221> unsure  
<222> (1)..(270)  
<223> n = a or c or g or t

<400> 835  
ttttttttttg tattgtatac acagtggaaa gctgggtttta tttgggagac aatgggagct 60  
tttacattgt tgagcaaagg agtgacgaga tcagtcttgc tttttagaaa gattagtttg 120  
gcagttactt atttgtaacc aganttagac agcaaattcg gatgcagggg gagaagtcag 180  
gtgactatta gtctgcgagt aattctggga caagagcagt ggtaattggaa ttnaaaggga 240  
ttaaagtntt taccaggttt tggcataaat 270

<210> 836  
<211> 367  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R44535

<220>  
<221> unsure  
<222> (1)..(367)  
<223> n = a or c or g or t

<400> 836  
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tgggctccac cctcacttac tgcccgcgt ggatggcctt ggaggctgcc tgcccgcgcc 120  
aggatgtttg gcacaaagag cagccccgaa gcccnctnaa tgntctcgat gggcaccagg 180  
taagcgnctc agtgggatgg cctnatccac aggtgcgttg ggcacacgt aggtgcggan 240  
tncaatttgc ccnctgntn cctccaggtt cagcaccttg aagaagtttg tgggcactgc 300  
cangtggttt ttgccgatga cctgggtant ttacgttaga tttcccatca gnetctgtcc 360  
atgggac 367

<210> 837  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R44714

<220>  
 <221> unsure  
 <222> (1)..(398)  
 <223> n = a or c or g or t

<400> 837  
 tttttttttt tttttttttt ttttttgattt tnagcaggna cagttttgat tttattgcaa 60  
 ggcacacaat cgtatataca atgcataatt atcatctttt aaagtacaag ataaaaatca 120  
 tatacattat agtaaaganc atatgagtat attcttggtt cagagangaa anttgcctta 180  
 aggaagctgg gttataccgt ttttggatgt gatcttcgta tttatactga atcatccgaa 240  
 cagctcttgg ttaggaaaat aaatctcatt gatagggnca cacaaccttt cacaggcttt 300  
 cactttacaa tgttccantt taaaggctcag ccagtgtggc tccctggatt ttggcatggg 360  
 gtcacgtttt tttcatcccn ggggtcttgg gttggaaa 398

<210> 838  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R45654

<220>  
 <221> unsure  
 <222> (1)..(364)  
 <223> n = a or c or g or t

<400> 838  
 tttttttttg ccatgtttca tttcctttta taatgaaaat ccataagggt ttaaaatact 60  
 cttagacaca ctagcttag caaatatcat ggacctctac atttatgtga attcacacat 120  
 gagctagcca gcacctcagt tctggctggc catcgacacc tgcttctccc tttggccctg 180  
 gggccaggga gccctggagg ccagggtccc ctctgcctcc tccaatggag ttgccagcat 240  
 cgcctttatc tcccttctgc cccaggaggc caggaagccc aggggagcct tcagccccct 300  
 tctcaccnt ntgccccntn tttncagca aacctggggg ccccnngntt ccttttggtt 360  
 ctgg 364

<210> 839  
 <211> 229  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R45698

<400> 839  
 tttttttttt ttttttcatt ataaaagtca gtttattttt cctttctgtg tttcgtattt 60  
 tccctttttg tcagtaaag agcaatacac tgactggaaa tctgcatgat taaataacat 120  
 taacaagttc ataaacacac cccatatcag agtataaagc aagagggtga aaaatatccc 180  
 ctaaccgaat gccaaattag ggtatccctc aaaattgcac attctccct 229

<210> 840  
 <211> 254  
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R46074

<220>

<221> unsure

<222> (1)..(254)

<223> n = a or c or g or t

<400> 840

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tttttttttt tttttttttt tttttttttt ttattgccaa ganccaaaga aaaaatttta 60
tttacaatag agaattttat ttgaaacatg catttcttgt ttttttaaaa acaaatcagc 120
aatgcagat caagtttaca ctcccttaagg caagagtccc tatgcacgct gtacatgttc 180
atattaaatc caaaagctgc tcacccgggg aacttggtga caaagggcaa ggccaaggtc 240
agcaatgtgt cttt                                     254

```

<210> 841

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R49138

<220>

<221> unsure

<222> (1)..(338)

<223> n = a or c or g or t

<400> 841

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ttttnttttt tttttttttg ggagttgaga tatttattaa cagatggggg tgctgggggt 60
gggctcctgc cccagagga ttgacaggtg gatgccgggt ggggagggct gcagggtgg 120
ctcctggcct ctntcctggc ttcatggtcc tgacanctct gggccancct cagggtggg 180
agcgtactnt agcaccancc tttcaaagtc gttctccttg gcctgggtact ccttgatgaa 240
gggatgggac ctgtgggcat ccttcagctg ggacaggtat cggtttgtca cctcaggggg 300
nttgccaggn tgctnggaca ggacgatgag gttnacca                                     338

```

<210> 842

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R49327

<400> 842

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tttttttttt tttggaaaaa gaaatttttt tttaattaga aaccaagttt acatacggtt 60
aatgggttac taaaagctca gttgtaacca ctctaacac cactagcaga acctcaaggg 120
agccaagagc tcttcccttt tcccctgtta atttccagta taatgtagca gcacaattat 180
ttcatgtcac atttaagaag aacaagaacc aatttatata aaggtacaat tgtatatcct 240
taaacattcc acataaacac actgtcaaaa ctactggat atgc                                     284

```

<210> 843

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R51831

<220>

<221> unsure  
 <222> (1)..(414)  
 <223> n = a or c or g or t

<400> 843  
 tttttttttt ccatttttaaa ttatttttatt gtatatataaa aaaccaaata aagcaataac 60  
 tttaaagacc tcacacacac acagtataaa cacctgggta aggttttntt cgtgtccatg 120  
 ttgacaccgg aactaccgtt aaagtgcaag ttttgttttg tggtcccttg tgcagtttca 180  
 ctcacatgta aacaagtcac ttggctatga tttgaccac gccccccgn ttagtttcg 240  
 gagggcagag gctctaccgg ctgtcacagc aacccggant cacagncaag ntaatgcccc 300  
 gtgggtcctg accctgcaag cggggcatga cggtttcttg angcctagca gaggntgggt 360  
 aactttcaca tncctcccc accccgtggt tcactnttag gtttttgaga agtt 414

<210> 844  
 <211> 538  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R56183

<220>  
 <221> unsure  
 <222> (1)..(538)  
 <223> n = a or c or g or t

<400> 844  
 gtaagatggc ggggtacgac ttaactactc gcatcacgca ccttttggat cggcatctag 60  
 tctttccgct ccttgagttt ctctctgtaa aggagatata taaagaaaag gaattattac 120  
 aaggtaaat ggaccttctt agtgatgcca acatggtaga ctttgctatg gatgcataca 180  
 aaaaccttta ttctgatgat attcctcatg ctttgaaaaa gaatagaacc acagttgttg 240  
 cacaactgaa acagcttcag gcagaaacag aactaattgt gaaaatgttt gaagatccag 300  
 aaacgacaag gcaaatgcgg tcaaccaggg atggtaggat gctctttgac tacctgggcg 360  
 gacaagcatg gttttaggca ggagtattta gatacattct acacatatgc aaaattccca 420  
 gtattgaatg tggggaatta cttcaggagc agccagaatn totttatttt tttcagagt 480  
 ttggttcccc caaccgacag anatgctgta agttcactct gggggaagct ggcctctg 538

<210> 845  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R56216

<400> 845  
 tttttttttt ttagaaagaa gttgtttacc actttaatag ggctgtccaa catttggtca 60  
 catagatcat cttgaaatct aattgttttc atggccttcc tatctcacia gaggagacct 120  
 gaatactctt ggaaaaagca aaccaaacat agaaagagat gccatgataa gacttggttg 180  
 tacagcacta tgtagttaac gatgccagac tttggattta atcagaggac atttctgcag 240  
 tctaggacag ctatacaaag ccttaagaca ttgtatttac aggacttatt catgtaggga 300  
 tccatatcct acccataact ctggccagag tcttaatagc atgggtggga gtgggctccc 360  
 ttaaggaatc ctcat 375

<210> 846  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R56602



<400> 846  
 tttttttttg ctgttatgat tagatattta ttgagcacca ggagagagtc agaacattag 60  
 actttatagt gaggagcaga actgaaccct ggccctgtgaa ataacaattt caattaaaag 120  
 ctgtctggcc ctgaagaaag agaaatgata ctggatatag ctggtcctct gagctggcag 180  
 agctgagcct cctcggggtc ttctgggtggg caagatgcc aagttgaata gtgtctgtag 240  
 ggcatgatga ccaagtccta gtgctatggg catcttcct ctggtattta ggagaggagt 300  
 accagaagcc cccggcagag gatactagga agggcccaga gccaaatcca gcagctgggc 360  
 ttac 364

<210> 847  
 <211> 181  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R58878

<220>  
 <221> unsure  
 <222> (1)..(181)  
 <223> n = a or c or g or t

<400> 847  
 caaacagggtc atttgttttt attttatgga tacaccaaaa ttttataatg agttgtgttt 60  
 ctattttggc tttatcttcc agaaacttag aaccaaatat gcagtcctct tctagcaact 120  
 gtatgagagc aggtggttaag cttctatttn attgcccttg ttttccttg actccaaatc 180  
 t 181

<210> 848  
 <211> 485  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R59593

<220>  
 <221> unsure  
 <222> (1)..(485)  
 <223> n = a or c or g or t

<400> 848  
 tttttttttt ttttttgcca ttgaaaagaa agtttaatgt tacaattctc cccagaaatg 60  
 agggatcatg catgccacag ggggccacat gaaactctgt cacaagcaga gaccacaaag 120  
 cagagagagg acctgagact atgcctttat tgctaagtca gtgggatgga tctaggtggg 180  
 gatgtcccct gtttgggcat aaagcaaaaa cagacattct atggttgtca ctgggaagtc 240  
 tgtgatatga gttttgtgca cccacgagag agggcttaaa aggatgatgt aaacaacttt 300  
 agccttttagt ttgtccctgt acttaatata tgtcaaata ggcaaacaca aattctaagg 360  
 taaacacaga ttagttccgg gagcagcttg gcttatggca cacnttcagg gaaacacctt 420  
 ggcttaaata ttacagggga ccacctgttt ttttcaaact ttgggggttat tccgtttctg 480  
 acttt 485

<210> 849  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R60056

<220>  
 <221> unsure

<222> (1)..(363)

<223> n = a or c or g or t

<400> 849

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tttttttttt ttttataaaa ggaaacagac caacatcata gtgtttttatt gacaaaacca 60
taggaaaagg cagtttttagg atgtaaagta aaaatgggttc tctgaaatat ctacacaaac 120
gtgaattctg aaaagttttc attaaaatcg tatttcatac aattataaac taatgaggaa 180
caaaacaatt ttcaacttct ccataaccca gactgagctt gatttatgct tgccatacag 240
aagcagganc tcttcccaga gaggggtggtg gctcccacac agctgacagc caggtttggc 300
tgtttaccta agcccatct tcccagtcgg tgttcaaaac aagggcacaa ggtctgggct 360
tttcaaaaaa aa 372
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<210> 850

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R60777

<220>

<221> unsure

<222> (1)..(387)

<223> n = a or c or g or t

<400> 850

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tttttttttt tttttttatt taaatggaaa cactaatctt tattttcatc atgctgaagt 60
gtgtgggttac aatttccaat aaaacactat atataataag caaaataagt tagtacattg 120
taaacttatg cacagtttca tcaattaaca gtttaaganc aaacaagcca tttaagactt 180
tgagactaca tttagtaaaa nattgcaaac actcaaactt tatcaacccc aagtaagaca 240
gtaaagagct attcaagact tcttcaaacc aattacacaa ntacatgttt atttttgggt 300
acagtcccct ggctatgcac aaggaccatt gggaatgctg ggancaattt acacatttta 360
aaaacgggca aaaaggcaaa gcaagggt 372
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<210> 851

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R66690

<220>

<221> unsure

<222> (1)..(440)

<223> n = a or c or g or t

<400> 851

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acatttcaaa atttagatat ttaatagttg agaaaaaata aagaaacaaa aaatacaaca 60
aaagagaatc acccataggt ttcaggaaca aaatcattaa atggaaaaat gagaagaatt 120
ctttattttt ggaccaattt taggcactta agagttttct tttcttcctt tccccttgat 180
caaagtgaag atatgatagg gaattcagaa atttctcttc ttgaagaaag cagagataac 240
ctgtccatcc tagtgaaaga aagcacaaaac gattcacctg acggtggaca caaatgact 300
ccttcattct ctcagttctt tctgctgtaa tgaaattcca cctgatacat ctagccatag 360
cacactgtta attactttgc tattttattca gtaggctccn caagtgggga agcgttcttt 420
tgcccgggga tttgtccggc 440
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<210> 852

<211> 350

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. R69417

<220>  
<221> unsure  
<222> (1) .. (350)  
<223> n = a or c or g or t

<400> 852  
ttttgtgggg ggggcaacta aacaaacaca aagtattctg tgtcaggtat tgggctggac 60  
agggcagttg tgtgttgggg tgggtttttt ctctattttt ttgtttgttt cttgtttttt 120  
aataatgttt acaatctgcc tcaatcactc tgtcttttat aaagattcca cctccagtc 180  
tctctcctcc cccctactca ggcccttgag gctaattagg agatgcttga agaactcaac 240  
aaaatcccaa tccaagtcaa actttgcaca tatttatatt tatattcaga aaagaaacat 300  
ttcagtaatt tataaataaa ggggcactat tttttaatga aaanaatttg 350

<210> 853  
<211> 341  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R70212

<220>  
<221> unsure  
<222> (1) .. (341)  
<223> n = a or c or g or t

<400> 853  
gcagttggga agaatttatt atcactaagt ggccctgaca gatcagggag gaggggggtga 60  
cactaacgag gctgctacaa tcagctccc tagaggcagc gattaagggc tcattacc 120  
ctgggggtgag gggagcctgg gaaaggcagc ggggcgnggg gattagggtta ggaggtggg 180  
cantttagag ggaagaagag tgggacaccc ccaggggagt ccaaggaggc ctggcctgg 240  
agaagantna gnttaccctc ccacccccca ntggggannn tatgactaag gaagcccca 300  
gaagggntga aaggagantt tcccaggga ntaganttag a 341

<210> 854  
<211> 284  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R71395

<220>  
<221> unsure  
<222> (1) .. (284)  
<223> n = a or c or g or t

<400> 854  
tggaaaaaan nacaacttta ttttcagtca tttctatttc cttggttatg aacaaaggta 60  
gcaaagtgca gttgtatcag cagtgccaat agaaattaca gagtttttca tatcccttta 120  
cagtttgcca caggtatctt aaaatattgt ttacactcat ctctcttcag ttaccattg 180  
tttaataggc ctaccctcga tctttttatt caatatgtta ataaagaaac ctatacacat 240  
agtatcacgt tatacatttt aaaantnttt tgacaactgt atat 284

<210> 855  
<211> 480  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R71792

<220>  
<221> unsure  
<222> (1)..(480)  
<223> n = a or c or g or t

<400> 855  
atattattgca aactccctaa tatcacatgc tagtgcgctt gnaatttcac tcaggaatgt 60  
tccgggatgg gggccagaag gtagagagca ccatgaaagt acagcctgcg aggccggatt 120  
gctaaggggc agacttcatg ccaatggagg gacaganttc aggaccagtc tggatgggct 180  
aagctgcctt gggcngnaag gagctggatc aggccaggga gcttgagggt ctcctttggc 240  
caaccacccc caggtttcca gctcctcctc ctactcagg gtcctgcgcg gtgagggagg 300  
tttgggggag gttcgcggt ntacagctgc cagggnntttt ggggcactac canttaagcn 360  
tgaggccccc agtcagtcct tcactngggg aaagtttcca agganttggg gctttcactn 420  
gcattttttt cagacangtt ccggnntaagg ggttnaagct tnccttngg ggggttnccc 480

<210> 856  
<211> 395  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R82942

<220>  
<221> unsure  
<222> (1)..(395)  
<223> n = a or c or g or t

<400> 856  
atattttttt caggaagaga aacaggagac ctcgaggctt ctggacttag gaggnccggg 60  
cagctgggcc atggttggtc aggnagtgcc gcaggctggt ggganaatcc gttatgacgc 120  
cagtggctcc cagctgaag gctgcttcaa aatccgactc ttcattaagg caccaaaaga 180  
ccacctgcac ccctcgctcc tccaagtgtc ggatcagact cttcctcatg atcagccatt 240  
tcgaaaccac agccaataac tgggttcagg caagagcagg aaaatgggga aataggctct 300  
nttgatgatn ttggggcagg aagcagaaga agaacttctc agggattggg gatgaagggc 360  
agcagcccag ggtagtaggg aaagcagcac ccaga 395

<210> 857  
<211> 392  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R84421

<220>  
<221> unsure  
<222> (1)..(392)  
<223> n = a or c or g or t

<400> 857  
acaaagagaa aattttatatt tcttattctt gaaatgactg tacgattttt caatgttaaa 60  
gttcactttc aagtatgatc aataacaaga catcaaagt aaaaattatg ctgtattatc 120  
attttctcca ttgcttctta aaccactgaa agtaatttca caattcacca catttaggca 180  
tcttcttttt cactttcttc attttttact tctttaggca acaatggatc aatcttcagt 240  
aataaacctt cacttggtga actacgaagg aaagcacgta ccacaanggg acccaaattc 300  
aggcgggtct gtgcctacaa acttcattaa taactgcttg cggattgggc agctatctgg 360  
gtcacttgac atatccaatg ttggctatatt tg 392

<210> 858  
 <211> 476  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R84968

<220>  
 <221> unsure  
 <222> (1)..(476)  
 <223> n = a or c or g or t

<400> 858  
 aaataaaaaac agtaagcaaa taacactgtg ggcagcatac agaggtggca aacaaataaa 60  
 gtcctggggtt actaagagga accaggggtga agagtccagt ctggatgcag tgggttggtg 120  
 ggcagcgggca aatctcgtca ggggctaagc tgcagtagcg gacccctgag agcccacctg 180  
 ggggtgcagc ctggccccgg gcctgggagt tggggtgcc gntttccatg ctgggggtcct 240  
 gctgggtcca atggggcacc tgccctctgg ccagctcat tgggtgaagc atcagatgag 300  
 gcgaggtggt tccagcccc taaaccaggg tgatgagggt tcagcgacct tcggagccan 360  
 gccaggggtg agtttttggg atgccccagg gttcctnaaa caggntcccn gtccccagtt 420  
 tttcttttgg aacaagcntg ctggggtnct cccggmataa gtgaatcaga gttttt 476

<210> 859  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R85291

<220>  
 <221> unsure  
 <222> (1)..(412)  
 <223> n = a or c or g or t

<400> 859  
 ttgntatttta cangtatttta aatgtgaata ttcactacct atttggtgca ngcctgcant 60  
 ttttatactg ggcttgccaa aaacccgaac agctttctac tttgacaatg taccagaatt 120  
 taaatcagca atatgttaat aagccaagca aagggtatat atgcaaataa aactggtgtc 180  
 tataacctcc tgttacactg gggcacagca aaagtcattg ngtagtcgca tgtgaacctg 240  
 tccctttcat aggctgctca ttgccgggga acatcaggga atagccattt gggaaggggt 300  
 catcagccct cccancatcc gttttctgtc ttgtcttttc cctatgaggc aggggggnaat 360  
 tccncgggtg ggccccaatc cccagtgcag gngggtcagc ctntggcctt tg 412

<210> 860  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R88209

<220>  
 <221> unsure  
 <222> (1)..(380)  
 <223> n = a or c or g or t

<400> 860  
 acatcagtca gaaaattcca gaaaatggaa agtactccat catacagcaa agtaaatcaa 60  
 tgggtgtttg aagagcagag agaaaaactt tataaaggct ccaagtaaat acaaagggtga 120

tagattagat aaattcatta tggngactct gatgatggtt tcacgggatt ataataaaat 180  
tcaagactta tcctacagct caaatatgtg tactttattg gatgtcattt atatctttat 240  
tttattttta agatggggtc tcactctatc acccgggctg gactgcagcg ttgcaatcct 300  
aggctcactg caacctccgn ctcccgggnt caagcaatcc tcccacatca ctaaggncca 360  
gggtacatgc cncctnccg 380

<210> 861  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R89291

<220>  
<221> unsure  
<222> (1)..(415)  
<223> n = a or c or g or t

<400> 861  
atggagtctc actctgtcac ctaggctgga gtgcaatggc atgggtctcca ctactgcaa 60  
cctccacctc ccaagtataa gtgattctcc cacctcagcc tcccaagtag ttgggactac 120  
aggcacgtgc caccacacct ggctaatttt tgtattttta gtaaagatgg ggtttacta 180  
tggtggccag gctggtcaca aactttgccc actttttaat gggattatct gttttattcc 240  
tggtgagttc tctgtatatt atagatatta gtcccttggt gggataaatg gtttgcaa 300  
attttcttcc acttaacagg gttgtatggg gatagggatt ttttaaaaaa ggagctaccn 360  
actgtgaagg ggtaatatct cttaccttaa agggggccaca tagggcctt ttatc 415

<210> 862  
<211> 379  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R89840

<220>  
<221> unsure  
<222> (1)..(379)  
<223> n = a or c or g or t

<400> 862  
ttaaatttta ttatagtaac aaagtgacta tttttaataa taaaagcaga gtgcctgtag 60  
gaagtggatg gccctatctc aggccaagtc tccttagtgt ttcagaccta ggctgaccag 120  
aatagtcttc tagaatgtaa catttatcca ccaggngtca ttatttacca atctgacaag 180  
ccactgggct gtctccgngc attcaatggg tggaaatcaag gctacagacc agantaggag 240  
atgaatgaaa ntagatttag aaaagggcgt tgtggctgga atgcagcttg cagtgtggga 300  
gggcagggnt gggagggtaa agagggtctt ttgaaagncc agtntcactt tcctgatcca 360  
agtttcttaa gctgatact 379

<210> 863  
<211> 378  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R91484

<220>  
<221> unsure  
<222> (1)..(378)  
<223> n = a or c or g or t

<400> 863  
tcaaattgtca gattttcttta ttaaaatgtg cacattatag tttacttaaa tacaaaatgt 60  
tcacttttcct tgcaggtaag aaatttcact gacatttcca tgtcaattag cttcttttta 120  
ataaaaaatcc ttccactgaa aataaatang catttaantt actgaactat tatattcatt 180  
agtctcaata cctcttaaaa tacttaaaac ttgngaaaat agactctaaa catngcctaa 240  
nggngggcat ccagctctga ggcaggccac acaagggtgtg tctgaggtat gggccatatt 300  
actccggggg ggccacctcc acggacgggc ccagcccccac cgacggntct gctggaaaat 360  
cccggccctt caggcggg 378

<210> 864  
<211> 357  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R92737

<220>  
<221> unsure  
<222> (1) .. (357)  
<223> n = a or c or g or t

<400> 864  
ttaatataaaa agtaaaagag tacattgttg agtagaggat taaaggagt acgacccttt 60  
ctaaagtggg gtctcccatc ccgatccct aagactgtaa catctgctac atacattaaa 120  
ancaaaaaca aacaaaagca aacatgaaac ttatgacctg acttcactcc acccttcatt 180  
cctgcattat gacagaaaca cgtcccactg ctctacttta tgtatgtaca tccagaggct 240  
ccaaacctaa ggctgtgggc cccctcctcc caggcccccac acacacacac ccctggcaca 300  
cacatggcac acacatggca cacacatggc acacacacac atacctggct ggcccat 357

<210> 865  
<211> 223  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R93908

<220>  
<221> unsure  
<222> (1) .. (223)  
<223> n = a or c or g or t

<400> 865  
catatatnna atantaaaaa tcttgggagg cattgcactg taatagtaag tctgcccattc 60  
caggntcatg catgtctttt ctttcattca agtcttattt tatatctttc agtaaatattt 120  
catatagatc ttgtgaatcg aattattttt acatttcaaa ttcaactaac aattattaat 180  
aganaatgaa aacattgatt tttttcaata tttattttgt gtc 223

<210> 866  
<211> 334  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R96924

<220>  
<221> unsure  
<222> (1) .. (334)  
<223> n = a or c or g or t

<400> 866  
 agtaaacttt attngggaga tgggggtgaat ccatcactgg ttactggaac cctgagtctg 60  
 cattttctcc tcaggaaggc ggtctgaaat ggagtgggct gtgtttggca agggttgtag 120  
 tggtttgga tctctcacct gcttggctcc cgagctgggc ctcaggctgn tctcccaga 180  
 gtaaattgccc gggatcattg aggaagcgtt ggctgcgctg ggcattgttag ggcaggctctg 240  
 tacgggtccag cgctgtcccc tgcagcgtct ctgggcgctg ggggtgcaggt naggcccnng 300  
 acgaggaggg aagagcagcc tcgacagaga gtcc 334

<210> 867  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R98442

<220>  
 <221> unsure  
 <222> (1)..(510)  
 <223> n = a or c or g or t

<400> 867  
 gtactcatta atccccctct caattttttaa cagaattata aaagcaaagt caaaagggtcc 60  
 ttcaggatga ctgggaggct tcctaggcta acttttgcac ttgaaaatgg aaaaaataaa 120  
 ttacttgata tttgtgataa gactaagatt tottaaaagt ctgcacatca atatattacc 180  
 tgggcttagg aggggtgaggg cacagtatcc atctgcaccc tctcctcgta ttttttaaaa 240  
 acaggcaaaa tatgtaagaa aaggctggtg cacgttgga gacagagcgt gcctgtctat 300  
 gccagtgcctg ctgtgccctg cagcctgggn aggatgggag tcggatgctg gggcctcatg 360  
 nccacttagg gccaataaca tactcaagac tctacagccc tttcaccagc aaagtatgnc 420  
 ctgaggggaa ccactgggtg ttgggagttg aaggcacaca aagcaggggc taaagggcaa 480  
 ttgggggtttc acggtgcagg cgccttgagg 510

<210> 868  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R99092

<220>  
 <221> unsure  
 <222> (1)..(386)  
 <223> n = a or c or g or t

<400> 868  
 tgtagagacg ttttgccctg ttgcccaggc tggtttcgac ctgctgtgct caagggatct 60  
 gccacacttg gcctcccaaa gtccctaggat tacaggcctg agctactgcg cccaacccat 120  
 ttattttattn ctgttttagt tgcatttgct ttaggagtct tagccatgaa ttctttgcct 180  
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<210> 869  
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<220>  
 <223> Genbank Accession No. S45630



<400> 869

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<210> 870

<211> 1398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S59049

<400> 870

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<210> 871

<211> 1644

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S75463

<400> 871

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gcgcgcgacg cccacttca gcggtctcgc cgccggccgg accttctgc tgcagggtct 180
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<210> 872

<211> 2469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S77154

<400> 872

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<210> 873  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. S81914

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tctcgcggcg accgaaagcg cagccgcagg gttctctacc ctcgagtggc ccggcgccag 240
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<210> 874  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T03229

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<400> 874
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ttgggggaagt tctcctggat aatatcctgc agagtgtttt ccagctcggt tccattctgc 120
ccatcacttt caggtacacc aatcagacgt agatttggtc ttctctcata gtcccatatt 180
tcttgagggc tttattcggt tcttggtatc cttttttcct ctaaaacttt tccttctcac 240
ttcaatttca atttaatttc aaccttcaaa tcaactgata cccctttctt

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<210> 875

<211> 253  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T03593

<220>  
<221> unsure  
<222> (1)..(253)  
<223> n = a or c or g or t

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cttcactcaa ggaacagggc aagggggccc agtacagaga acagaaatct cttacgacag 180  
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gatggaataa tag 253

<210> 876  
<211> 71  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T10695

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ggccagcacc g 71

<210> 877  
<211> 255  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T15409

<220>  
<221> unsure  
<222> (1)..(255)  
<223> n = a or c or g or t

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aatccatttn atngttcga actgcggtt tttnaacgta ttcaaccagc tgaattgaac 180  
gatttcagtg nacacggatt tacttttagcg tattcagcag ctagatttca gcttccacan 240  
ngtgcgtnac tgtgc 255

<210> 878  
<211> 268  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T15423

<220>  
<221> unsure  
<222> (1)..(268)

<223> n = a or c or g or t

<400> 878

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ggcagtgggg ggcacccagc ggaccacagc acacagacta gtgttagaaa ccccttccca 180
gaagcaaccg gtgggacttg gcccttacca gccaggggtc tactccattg ggtcttgggg 240
cccaccaacc cctnttagag gnggnccc 268
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<210> 879

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T15530

<220>

<221> unsure

<222> (1)..(537)

<223> n = a or c or g or t

<400> 879

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tattagagcg cttcataata ccccgagtc ctcgtgaaca cactccaggt ggaaaattct 180
gctgtgatga tgtgctaaaa aataccctat aactcaaata ttacacaata atcaacacta 240
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tttattccca gtttagagct caatcattat cccaaccaa ctctctccag aagaaaattt 360
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caagcccacc tgtaaatttt ttcaaaagct gttgantgtg gaatttttagc tcaaattgta 480
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<210> 880

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T15850

<220>

<221> unsure

<222> (1)..(246)

<223> n = a or c or g or t

<400> 880

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gtaacggtaa cccctaactt ttcaggggccc tggnacccgc cctgcccagg gtccacacgc 180
agagttatgg cggnccacc cccacaggtg cagctctatc tcccacctnt tgcacagaga 240
tataag 246
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<210> 881

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T16282

<220>

<221> unsure  
 <222> (1)..(311)  
 <223> n = a or c or g or t

<400> 881  
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 agccagtatt attagtcaaa tggctaatac cagataaaat atattttgtg aaaaacttgg 180  
 aatgtcagan gtcattctgg catttcaaac agctatgtac agtatcacga agatcggttt 240  
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 aatcaagtat a 311

<210> 882  
 <211> 240  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T16556

<400> 882  
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 ggaatgctcc gttgtatatt caggagggga cagtgaaaaa gacaaataat aatgtctttg 180  
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<210> 883  
 <211> 250  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T17428

<220>  
 <221> unsure  
 <222> (1)..(250)  
 <223> n = a or c or g or t

<400> 883  
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 aatgcctttg tgtntcaggg ctcgggagat tctcctcgnt ggccagccat tggcaagaat 180  
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 agagccctcc 250

<210> 884  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T23468

<400> 884  
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 ttaacatgga tacaggaaaa gaaaactctc caataaaaaat attgtctaaa aagtttgttt 180  
 tggctgcatg atttactaaa tatgtacaat ttcaattcac agcgaaggta acaaagattt 240  
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 aatttaatt 309

<210> 885  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T23490

<220>  
 <221> unsure  
 <222> (1) .. (299)  
 <223> n = a or c or g or t

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<210> 886  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T23622

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 catgagtaaa cagagatggc cggtgggtaa atatcttgcc aaggtgggtc cttgtattaa 180  
 gccttttgag tctaagatga caaatcccta ggggtcagggt ggtttttccc gcacgaactc 240  
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<210> 887  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T23935

<400> 887  
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 tgacacatca aaatgagaaa tgcacagttt aaccgttcaa cagctggcct tacttcaaaa 120  
 gaacactata ttcataattaa acatttacag tctttccatc taactttaca catgtcctaa 180  
 atcattttcc agcacttctc acatagaagt ctagttttgc tctttaaaat caccatctgt 240  
 atcaccctta gtagacgcga gggtttcccc aattacatgc tgaagagagc cagccaccac 300  
 cccacctaa 309

<210> 888  
 <211> 128  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T25732

<220>  
 <221> unsure

<222> (1)..(128)

<223> n = a or c or g or t

<400> 888

ctggccttttc ctttcttctt atttttattg ctcccaaagt tccactcatc gtcactgtca 60  
gacgtctccg agtctgacga ggctgcaggc tgactcacag gcnnctcctt cnnctcagag 120  
tcactgcg 128

<210> 889

<211> 207

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T32113

<220>

<221> unsure

<222> (1)..(207)

<223> n = a or c or g or t

<400> 889

ctggacagcg ggcagcacca ggcggcggac agtgtcttcc ttctgcagga gcagcgcgng 60  
gctctccacc acctcctctc catccttggt ccagcgcacc tntgcccagg gccggcatag 120  
ctcacaggtc agcaccacac gctccaggcg cacggctgcc acatacacct tgccgctggg 180  
atacacgatac cacgaggaga cgtctgt 207

<210> 890

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T33263

<220>

<221> unsure

<222> (1)..(308)

<223> n = a or c or g or t

<400> 890

gttccttttaa aggtttatatt ctggcaaata aaaaaaaata acttatgtgg ttagataaat 60  
taatgtatgt nattagatac gacacagggc agagctgaac gttcctgttt tcttctggnt 120  
cttgaaggtt ggtgagaggc cgctgaatga gacccagcct cgtgttttgt gggatgaaga 180  
gatgcagaca aagtgactca ggtacactga tgctccctgg agggctggga ggtgggctca 240  
gaggaagagg ccgaatccaa acctttttta ttgaaaagaa atagctcttg tttgtagcat 300  
ttaaaga 308

<210> 891

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T40327

<400> 891

agaaacctca agtcccaaaa cagcacgttg cgggaaagag gaagagagag tgtgagtgtg 60  
tgtgtgtgtt ttttctattg aacacctgta gagtgtgtgt gtgtgttttc tattgaacac 120  
ctatagagag agtgtgtgtg ttttctattg aacatctata tagagagagt gtgtgagtgt 180  
gtgttttcta ttgaacacct attcagagac ctggactgaa ttttctgagt ctgaaataaa 240  
agatgcagag ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa 280



<210> 892  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T40895

<400> 892  
 taatggtagc tatcaattta ttaactgggt actgcggcaa tatatataat tataaaatca 60  
 ccatcaatcc ttctattcat acgttaacac atatcactgg tttaattcat tgaaggcaaa 120  
 tacaagtttt tcccttactt tccctccaag attccactta ggctgggttac cccaaacgta 180  
 atggagaaac attaaatgtc actttttaac cacttttaaa ccagtcttta attttcaatt 240  
 caggtgtgag gcacatatat acacacaaac a 271

<210> 893  
 <211> 343  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T40995

<400> 893  
 taatgggttaa ggaggaaggt ttattggctt caattcccca gttgatgttc aacactttat 60  
 ttagttctca tttggatttt aaacatttgc ttgacaaata atttcccatc aatttccatt 120  
 tctttggaaa gctcccacgt gtaatttatt tttaacatct ctgaagagca gaattaatga 180  
 tatttcctag ctgttgctcc agatcatgta gggtagagga ggctgaaaac tgctacaagg 240  
 gaaggcatct gtattgtttc aaaacgtcag gacggtagcg gatactcttt ccagagcgac 300  
 gaggggtcaaa tcccttcatt tatttttttc aaaagggtaa aac 343

<210> 894  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T49061

<220>  
 <221> unsure  
 <222> (1)..(351)  
 <223> n = a or c or g or t

<400> 894  
 ggaccaaaga actttatatt tatttttaaat atcaaagtaa cacaaagaac tagttcaata 60  
 tacagtacac ttctactctt tcacagagaa ctgaaatttt ctataaagac atttatactt 120  
 aggaaacatc agacaaccaa agtatgtata aaactcacia gatattttac acacagttca 180  
 caataattaa ttctgatatt ttaggntttt tctgtcattg cttttaaaagc atccttaatt 240  
 taaaaacaaa aattattatt tgaggactgg aaaacagggt gcaaaggcat ttctactttt 300  
 aattatacac tggtaaatcc ccccttaatc caaaacattt tacttncaca t 351

<210> 895  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T49291

<220>

<221> unsure  
 <222> (1)..(271)  
 <223> n = a or c or g or t

<400> 895  
 tgagaataat cagggagctt tattatacaa aatggcgggg tggggggcg cg caanagcggg 60  
 ggacgagcat caagcatcct gcatggccgt tatcagccct tgacctgcag tttccccttg 120  
 gatctggggg ggtgaccacc ctctctgcac aggctgtgct caacctccta acttcctaga 180  
 aggcaacttg cctctccagg gggtaagtcc ctttggccaa tgatcaggag tttctttcct 240  
 cccccaagta acaagaagcg gttgngttg g 271

<210> 896  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T49602

<220>  
 <221> unsure  
 <222> (1)..(423)  
 <223> n = a or c or g or t

<400> 896  
 tgaatattca agaaagggtga agtttaattt gcatataggc ataacctaca cctcacttgg 60  
 caagtgttag gccacagcac aaacccctct gtccaatcac aaatgtccac aaatttgcaa 120  
 agtaactgga caggaacgat atgcttctca aactcacaca catattcgct catcacacac 180  
 aactcacaat gataaagaan tacattgaaa tcctctacaa aagagatctg aggacagtan 240  
 tcagatgacc tcatgtgcgg acagcctntt gcagtttaca gtctaatacca tttggtcctc 300  
 acantagccc tgtgaggata agcagcacag ggattactnt tcacaccgtt ttgcaggatg 360  
 agggaaactg aggctcaggg gatgtgtaaa caccagccta aggttttcca gttgggagac 420  
 tgg 423

<210> 897  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T50387

<220>  
 <221> unsure  
 <222> (1)..(413)  
 <223> n = a or c or g or t

<400> 897  
 ttttttttgg tagaaatggg gggctctcact atgtgggtcca ggatgggtctc aaactcctgg 60  
 gctcaagcaa tcctctctgcc ttagccttcc aaagtgtctg gattatagga ataagccacc 120  
 gcacctggca ttctctggcct ctcttatttt atttaccttc caggaggtgg tagacataac 180  
 tgattaataa aatctgaaag antttatctg gcttagcaac tttctcctct tgcgggcagg 240  
 aactatccaa aagagtacat actcaatcca ccagtgaaga tggacagggt atcttcatgt 300  
 aggcaggcca aacatttccc atctcattct attaaccttt tttttttttt tttttgagcc 360  
 agagtctcac tctgtgcgcc tgggctggga gtgcagtggg ngcgatctcg gat 413

<210> 898  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. T53404

<400> 898

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ctgttagcaat gaaaattttt aatttgaata aaaatcacgt aagcatgagg ttgttgggga 60
acacggaaag gaagggctca gattaggggg tgtagcacat ttatcaggag gtaagatctc 120
catagtctcc taccctctct ggccctggcc tttactgttg tatccagcct ctgggaagac 180
cttgtatgga cagtatctcc actggggcta tcactaggtg accaggtagg ggacagagta 240
gagcagccaa tgaccttaac tcaaaatctt ttctctccct tcaacctgtg aaaaaagatg 300
actgggcaca tactcagatg tcccctgggc atagcaccat cttgttggcc agtcacaaac 360
accagctctt agttaagagg gcctggggtt aaactcgtgc cgat 404
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<210> 899

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T53590

<220>

<221> unsure

<222> (1)..(309)

<223> n = a or c or g or t

<400> 899

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ttnggtatgt ggttcagctn tttattntct ccatgggggtg ggtgaagagg agtggcccag 60
ctgagctgag gaaggtgacc actgagaacc cattcaacct gctgagcagc ttgggcagaa 120
aggagcagga cttgggacag acgactgaag atgcagagac cccatggggc ccaccctgg 180
gccttcctcc catntggctg caggcatcct ntntnatcan tgctgggttg cttcctgggt 240
aaagggccan aaggtnaagg agatgggnnt ttcangcatc agaatgaggt tnaatttggt 300
gcccacatc 309
```

<210> 900

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T54613

<220>

<221> unsure

<222> (1)..(457)

<223> n = a or c or g or t

<400> 900

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gggctccaga ccgcatttat tcacctccaa agagggctgc agaccaaggg caccaccggg 60
ctccctccgc tggcagggct gcatgccggg agccgtggtc acattagaag gtccgggagc 120
gcagccaagg ggnctgtgtc agcggccgtg gacagagtgc agcgggcaag tctactgagcc 180
tcagtttctc catctagaaa accgctgcgg ctgtgcggac tgcatggcac gcagtgggct 240
ctcaggcgtg attgctcatc cctctggcct ggccggaggga ggccctagagt cctgaccttc 300
accngacccc gccaacgtgg catcttgctt accngccttc gggaggcaga aagggggcag 360
cgaattagca agccgaagca ttgnacaatt nggcccctna gggggccttg ggcttncggc 420
tttaaccngg cgaacccccc agtttggccg acgaana 457
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<210> 901

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T54617

<220>  
 <221> unsure  
 <222> (1)..(453)  
 <223> n = a or c or g or t

<400> 901  
 tttgagactt tgnctgtctc tgctgccagg ctggagtgca gtgggtgaca gggtgagact 60  
 ctgtctaaaa aaaacaaaat aaaacatgat gtttaataag tgctttcttg atataatctc 120  
 actgtaggaa tgccatgttt cgctgggtgca cacactatca cagcacagtg attaccaagg 180  
 aaatggagat ccagaattac tttattgtta tgatcctgta atcaaaaataa agtaaaaaact 240  
 ggggcttcag gccttgccctg gggacctgta ttttactaa aagctgctac tggcatagac 300  
 aatgatcagt catcacactc tatgttaaca aacacagcac acacagcttg ctgtntttct 360  
 tgaggccgcc cccagcaggg cccaggggcc aaggcctgtg ctggttacca agggcaggag 420  
 ggacggatgg cttgctngac canagggtnt tga 453

<210> 902  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T56281

<220>  
 <221> unsure  
 <222> (1)..(470)  
 <223> n = a or c or g or t

<400> 902  
 caggtnatn ttntttaatt atcactcaca tatttcacag gaaaaggant ntagcaaattg 60  
 ggtcaagggtg gtntaaaaaa aaaatccagg tttntacatg tctctctgtt tacatctggg 120  
 agaaaggtn tcttggcatc agtcgcagca gctgcacttc tctgacgccc ctttgcaaac 180  
 acagccctgg gcacacttgc tacagccac ggggaggcag gagcagcagc tnttnttgca 240  
 ggagggtgca tttgcnctct ttgcaacttg agggaaccag cgcagggtgc agggagacac 300  
 cagcggggcgc agggagcagt tgggggggnc cattgcaagc ccgagggaga gactgggact 360  
 tttcccaagg agagaagcga aggaagccag tggggggcag ctcgtgcccg anttccttca 420  
 gccccggggg gntcccccta gttctaggag cggnccccac cgggtgggat 470

<210> 903  
 <211> 439  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T62857

<220>  
 <221> unsure  
 <222> (1)..(439)  
 <223> n = a or c or g or t

<400> 903  
 caatctnaaa aaaatatttt cattatgttt attataaaaa tataaatgtt tccactacaa 60  
 atcattttac attagtaaga ggccatctac attgtacaac ataaactgag taatattttg 120  
 aaaagacaag tttaaagtaa acacatattg ccaatcatat cacatttata catggcttga 180  
 ttgatattta gcacagcata aactgagtga gttaccagaa ataaataata tatgtaaatc 240  
 aaatttaaga tacaaaacag ntcatatggg tacataacat catgtaggga gttgtggcct 300  
 ttatgtttac tgaaagtcaa tgcagttccc tgtaccaaag ggatggccgt aggcattcta 360  
 ggtaccctct nctccctggg ttaggggaatc cgtacactta tggtttacca tatggtccgg 420  
 gggtaggan ttgtggtaa 439

<210> 904  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T62873

<220>  
 <221> unsure  
 <222> (1)..(450)  
 <223> n = a or c or g or t

<400> 904  
 ttttttnacga gacagagctc agttctgtcg cccagactgg aatgcagtgg tatgatcttg 60  
 gctcactgca gcctcgactt ctcggtgtaca agcaattctc ccacctcagc ccctggngta 120  
 gctgggacta caggagtata ccaccatgcc caactcgttt ttatatTTTT atagaaatgg 180  
 tntctcacca tattaccag gctggtctca aactcctggg ctcaagcgat ccactctgct 240  
 gccttggtct cccaaagtgc tgggnttaca ggtgtgatcc tctgagtctg gccaatTTTT 300  
 atttaaagat attttttaaa ttggactgga cgcgggtggc catgcctggg aattaatccc 360  
 agcaactttg gggaggccaa ggcgggatgg ctttagacca gcctggggta acatgggcaa 420  
 gaccccntct ctaaaaaaacc aaaanaaggg 450

<210> 905  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T62918

<220>  
 <221> unsure  
 <222> (1)..(237)  
 <223> n = a or c or g or t

<400> 905  
 tttttttaag aatcttctgg gcctctttat taagagccct ctgccttncc aggggagggg 60  
 agcaaactct tcaggggccc cagagttcct gcaccccata tcatgggtga gnctaccagc 120  
 cacagagcca cccgtcaccg tggagaggct taagntgcac tcagagctcc ccccgggcat 180  
 gccgaatgta gtgttgatgc agccctgctt cctgagcaaa gtcctgaccg cactctg 237

<210> 906  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T64211

<220>  
 <221> unsure  
 <222> (1)..(301)  
 <223> n = a or c or g or t

<400> 906  
 ttttttnntt tgtggatttt ctttttaatg caaatgttg caatacaaaa caatgtggag 60  
 aaagcctggt cctcaggcac tgaagggagg agtgaggaag agaggacaga gctggacgtc 120  
 tcctcctatt tctccctccc caagtcactc tgaggggaag aacactgctg cctgctccct 180  
 gggcctgccg catacaaggt tagagccctg ggtctggggc atccttagcc tgaaatttgt 240  
 tgacatgggg caggagagca ggaggaaca ttgagggttt tgactcttcg ggctctaaaa 300  
 g 301

<210> 907  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T64223

<220>  
 <221> unsure  
 <222> (1)..(290)  
 <223> n = a or c or g or t

<400> 907  
 gaatttnana gcattaagtg cattttatatt tattgtatta gcacataaat tgatgaagcc 60  
 acatgggtgaa aatctgtgag aaactgaagg ttttcatttg ttttctgtgc cccactgtat 120  
 atcacctttc aaaataatgc tttctgctgg gtccaaactt cacttggagc aaagaaagg 180  
 agttaaagg tttcacttaa agctacttcg ttatgggtgc tactgaaagt aaggtaaaag 240  
 caaacagcag taacatgggg actttaantg aggcaagaga agggattcag 290

<210> 908  
 <211> 257  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T65802

<220>  
 <221> unsure  
 <222> (1)..(257)  
 <223> n = a or c or g or t

<400> 908  
 gtcaaanggt gacaatttta atgactttat caagccttag gacagagatg agagaaacac 60  
 ctttccaatg atgcatcaag ttaacgtcta agcaaaagat cagcagagat cagagattgt 120  
 tgggtacaca cgtatcttgt gatgtcttct gagaaccaac ttattcctct ttctctgaga 180  
 agaacttgac ccctcgcccc ggggctgagt gcttggcagc cacatttgtg ttgagatctt 240  
 gattcctgct ctaacta 257

<210> 909  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T67053

<220>  
 <221> unsure  
 <222> (1)..(445)  
 <223> n = a or c or g or t

<400> 909  
 ttctggttgt caatgaggat atttattggg gtttcatgag tgcagggaga agggctggat 60  
 gacttgggat ggggagagag acccctcccc tgggatccct gcagctccag ggtncctgg 120  
 gtnggggttag agttgggaac ctatgaacat tctntagggg ccactntctt ctccacgggtg 180  
 ctcccttcat gcgtgacctg gcanctntag cttctgtggg acttccactg ctcgggcgctc 240  
 aggtcaggt agctgctggc cgcgtacttn ttgttgcctt gtttggaggg tttggtgggtc 300  
 tccactcccn ccttnacggg gctgccatct gccttcagg gcactntcac agtccccggg 360  
 tagaagtcac tgatcagaca cactagtgtg gccttggttg cttggagctc ctcagaggan 420

ggcgggaaca gagttacagt gggga

445

<210> 910

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T67105

<220>

<221> unsure

<222> (1)..(444)

<223> n = a or c or g or t

<400> 910

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ttancaaaca tttattgatt gcacaatgaa acaatctctc ctttcagata tatacatcag 60
tttactaaaa gagtagatac aaagggtcagg aagtaattac aatgcaatgt gataagttta 120
ataatatagg tttgacagca tacagnngag ggggtgattg ggtttnaggt gatggtggga 180
tattggccag gtaatatattc atggaccaag tgatgacaac atagggtttc acagatggat 240
aagagtcttc caagtnacc agggggaaat atacatgtgt gggtgccaaa acagagtatg 300
gcatttcctg anagtcagan nttnatataa gagtataaag tncaagagaa tgggataagt 360
agctagggag gtaaggccag acaggntagg cnagtcctag gggcctttca ggccatgggn 420
agganaacgt ggggcttcac ccta 444
```

<210> 911

<211> 244

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T68873

<220>

<221> unsure

<222> (1)..(244)

<223> n = a or c or g or t

<400> 911

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nttttttttt ttttcaagtc aaaactgttt tattgtcngt ttacatattt aatagaaaaa 60
ggaatgtagc aaatgctcag gggtgtatga aaaaaaaatc caggtttggt caggttgctc 120
tgtttacatc tgggagcagg gctgtcccca catcaggcac agcagctgca cttctccgac 180
gcccctttgc agacgcagcc ctgggacact tggcacagcc atggnagacc aggagcagca 240
gctc 244
```

<210> 912

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T73433

<220>

<221> unsure

<222> (1)..(346)

<223> n = a or c or g or t

<400> 912

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gggagaaata accagctatt gttccgcatt caaacagaaa ttcagggtgct tgcattcttc 60
acgtattgtt caaaaatcac aagcatctgt ggaaaaaac taaggattta cagacactac 120
acggagggtca tgttcttaca ttcaagacac taaatacaaa cccgangcant gcaaaattgt 180
```

atactttaat tttaaaaccc antttttgtt ctcaacttga aaagggnaac acttttttgt 240  
 ttcacaaaca agctgggtcg ggttgggant tctttttggg aacagtaggt cccgcgctaa 300  
 aactgggtt cttgcctccc caccocntt ctctaaaatn aacca 346

<210> 913  
 <211> 475  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T78398

<220>  
 <221> unsure  
 <222> (1)..(475)  
 <223> n = a or c or g or t

<400> 913  
 agtattgggt gtagttttat ctgtcctttt ttatttcctt taatttataa aaaaaaaacc 60  
 tttaaactag gcaaaaattac ttccctttta acaaaaacca cattttcatg ccttctgata 120  
 acttttctta aacaaaaaac atgtcctact tcccttatac actttcgatg gagaattttt 180  
 tctcttgat ttagtaattt caattatata cattttattac aatgttaact tttaggtaac 240  
 tcttattttt aggtgaaaaa ccttgggagg gtaggccgtt ttaattatgg taccaggatg 300  
 gcaaagggtc aggaacaagg ggaccaagcg ggggaggctg ggcctagggt cataggcctt 360  
 aaaaacttta aatcttaagg gataaagggg nggggggnac ggtggggcct cacggnctgg 420  
 ttaatcccg tgggttgagg gaggggagcg tgggggtggg gntcacnggg ggtca 475

<210> 914  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T79768

<220>  
 <221> unsure  
 <222> (1)..(445)  
 <223> n = a or c or g or t

<400> 914  
 ttttaagaca actacaaact ttcaatattg gaggtagctg cagagatcat ggtaactgac 60  
 tttttcacag atgaggaatt taaggcccag aggaaggtaa tatcagaatt agtgacctcc 120  
 gcaccagca cacacacagg acaggggaaa ggggtgggaga gatgcatgca ctgggacctt 180  
 gggatagatt caagataccc ttgctggggg aggggtgggc tggccgttag ttctaactca 240  
 gtcttctcag tgccacctcc agcccctgtg ggtctttatg ggggccaac tctttatcca 300  
 tctttccttg ggggtgatgg agggcatgtt cgccagcatt aaggatcttc ccagncacag 360  
 gatggcacgg ccccgggcct tctttgatat tattaggtgg gcttctgggg gntttcttcc 420  
 ctgccgncct tccacaactc agggc 445

<210> 915  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T79868

<220>  
 <221> unsure  
 <222> (1)..(398)  
 <223> n = a or c or g or t



<400> 915  
 tgagatggca acactgcttt attagggcgg gcagccagga gcagacacac ggctcctcag 60  
 tacacattcc cccacccctg cctcggtgct cccactcag ggctgggcat ggagggggca 120  
 gcgtaggtct ggaagcgctt gtenongetg gtgctgang ntctcaggga catggtntcc 180  
 acggccatct ccagcccggg ctgctgggtt atctccactg ttagtcatt ggccagctgc 240  
 agggaggcca gcatggaacg acacacctcg aaggccggct gnagnccacc agntccgcaa 300  
 agggacacca ctcatgagc tgggggaacc ntgagaccag ntggtnccca taggtttggg 360  
 atntcaaagg gcacatnctt gctnctgctc ctgggaca 398

<210> 916  
 <211> 272  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T82292

<220>  
 <221> unsure  
 <222> (1)..(272)  
 <223> n = a or c or g or t

<400> 916  
 ttttttatgt gtaagaagta ctttaatagc tcaaactcag agtcatcgtg ctcccaattc 60  
 caaagagatt cctaaaagag gcaacttcgg cggtttgaga agccagcgt caccacccn 120  
 nnnctctgtg cattgacctt tgggtgctga cttggagaaa agcacaaaaca cgaccagtcc 180  
 catnctggct cccgtgggct ntcttctatc tacgcattgt atcgactgca ttagttggag 240  
 taagatgatg actcagttaa aggaggagac aa 272

<210> 917  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T85532

<220>  
 <221> unsure  
 <222> (1)..(408)  
 <223> n = a or c or g or t

<400> 917  
 atcgcttgag gccacgagtt caagatgagg ttggcaacat agtaagacct catcactaca 60  
 attttttttt ttttaaatta gtgaagtgtg gtactgcaca cccgaagtcc cagctacttg 120  
 ggaggctgag gcaggaggat tgcttaagcc cagaaatttg aggctgcagt gagccatgat 180  
 tgcaccacta tgctccagag tctaggcaac agagtgcagac cttatctctt taaaacaaac 240  
 aagaatgaag ttaggtatct gtttatttgt ttgagccatt tgtatttcct tttttgtagg 300  
 actgtcctgt ttnaaacgtt aaaatcactg ctgtngggtt tngattttta catctcagct 360  
 gggatgggca ccaattaaat tatttnaggc cctgggttat tgnaaaat 408

<210> 918  
 <211> 500  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T86121

<220>  
 <221> unsure

<222> (1)..(500)

<223> n = a or c or g or t

<400> 918

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tttaccaggc ccaaaactaaa cattcacata ctctctcttt gagaagcaat gtgtgaaaac 60
actaccaccc attaatgtga ggctaatagcc atttcagtgg ctttctggat aatggagtaa 120
cggaaacaga tttgtactga gccagacact ctctattccc cttgggtgcaa accctaaaaa 180
agacatgtat attctggcca gggactgggg cattctctta gggaagccaa gcagactaca 240
cctgtaacaa tacatacatg ctccaaccac atagggcaac ctaactacag aaatgactgg 300
gcagcaaaat actagcttca tgcccacttt gtatctactt ggatctttta tgggctcaac 360
cccggggagt tgacctcttt tagggggagg ccttctaatt ttttcaccaa canctttctn 420
aatacacaca ggnttacanc tttcaacat gctctctgat ggaggttagg tggctctcca 480
aaaacacata ttggtttacc                                     500
```

<210> 919

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T86148

<220>

<221> unsure

<222> (1)..(459)

<223> n = a or c or g or t

<400> 919

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atttttatat gaagggttttc tgggtgaaatc ttttaagcag ggaggaaaat ccaataaaatt 60
tttttaaaaaa ggttttagcta ttccccaatg ctatttaata caattgaggt taggacgtta 120
agtcttatca gactgtgtac tggagcccg tgtcatcagc aaaagccgtg tgagtcaaca 180
ggtgtgaaga ctcaagatgc gcacacagac gctgtccgtg gttttatggg gaatgatgag 240
ggctggtcag ttctcctcat gacaaaagtc aaaccgactt ccctgtgttg cgtgtgaagc 300
ttgttagtgg acagaggagg aaacgcaggg ttctgccttg gggagnatga cagnccacag 360
cgcttggggt nccgtcaggg ctttctgtgn cagttagcgt ttcacaaact ngaggaggag 420
tattaaaana gcccaaacc caaagtttct ttttttcaa                                     459
```

<210> 920

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T87533

<220>

<221> unsure

<222> (1)..(375)

<223> n = a or c or g or t

<400> 920

```
ttggcattat aaaatggttt tattaattat taataactat ttaatgtgta cacagttatc 60
catgaagaaa taggaaatac cagtgagttg ttaccagcgt tgcccaggc tgggagagcc 120
cttccaagctt tcctttggcc tctgacaccc ctgcccact gaccgcccac cccccattcc 180
tgtctggaag gntcgctgc catcatcccc cacatccgac agctctccct tcagggtcac 240
ctcctccttg gacaaagcat acgtgacccc ttgtcaggtt tcttggttg gtgctcccc 300
agagtttggc tcctgcccc accaagcatg catgggtgac aatgcacca cttgataact 360
gatcactggg ggtca                                     375
```

<210> 921

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T89160

<220>

<221> unsure

<222> (1)..(357)

<223> n = a or c or g or t

<400> 921

```
atgctgctat gacagaatac ccaagactga gtaatttata aagaaaagta atttatttct 60
acagtgccag ggtctgggaa ggtgctggta tctgggtgagg gctttcttgc tgcattcattc 120
catggcagaa agtgagaggg tgagagaggg acaaggaggagg ggaactgaac tcatttccttt 180
atcagtaacc cactcctgca ataactaatc cactcccaca ataacaacat taatctattc 240
atgagggcag agctntcatg acctagtcac ttcttaaagg ttctacctta actccattgc 300
tttgggggat taaatttcaa catattaaac ccttggggagg gacacattcc aaaccac 357
```

<210> 922

<211> 210

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T89243

<400> 922

```
gcacccctga aatcaattcc atatcatggt tgaatgccat acattttgca catgtactgt 60
acataagtaa tgcatactgt atttttatat gtgtgcacat ttatcatcag atcttttgta 120
catagtggca gtattgtagc tgatcgggaa atgtttgata tctcagcaat tttgcatttt 180
tgtgtctcaa ataaaagaca ttttgatgta 210
```

<210> 923

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T89703

<220>

<221> unsure

<222> (1)..(494)

<223> n = a or c or g or t

<400> 923

```
gtagaaaaca aaaatggaac atttattngc aactcaaata ctacgcatat acagtaagaa 60
nttaaataata aacacagcaa gttccacccc agtcctattt gtccaaggct gcatgggtcaa 120
atggaatctt gaagagaaca cctggnaaac agagcanctn tcagcgacgt ctccgggtctg 180
gacttctgct gcgtcttcgg ccacctctcc ncttgccctt tggtggaccc cgaacaaaac 240
accagtcaac ggtgatgggc tgtcccatca aatcctgggc cattgagtc ctccatagca 300
gcctgggggt tccttgtatg tttcatattc agctaggagt ataccctgt cagatatcct 360
gttcgcctgt cgaggttgag gatgaatgt ttttaatttc ccatattctg cggaatttgt 420
cgtgtatgtt ttctgcgga ggcttcctca tggacttcca gttacaaaga gantccagnc 480
ttcagcagag cggt 494
```

<210> 924

<211> 255

<212> DNA

<213> Homo sapiens

<220>

tccttaaaat	aacctgcatc	tcccctgtcc	tgggtgtggga	gtaagctgac	agttttctctg	3660
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tttgtcttat	gcttctatgg	ataatgctat	ataatcatta	tctttttatc	tttctgttat	3780
tattgtttta	aaggagagca	tcctaagtta	ataggaacca	aaaaataatg	atgggcagaa	3840
gggggggaat	agccacaggg	gacaaacctt	aaggcattat	aagtgcctt	atttctgctt	3900
ttctgagcta	agaatggtgc	tgatggtaaa	gtttgagact	tttgccacac	acaaatttgt	3960
gaaaattaaa	cgagatgtgg	aaggagaacc	tcagtgattt	tattccctag	tgaggcctct	4020
gagggcctcc	acactgcctg	gcagaacata	ccactgaact	agtatgtgct	agaggagggc	4080
acaaacatcc	gctccttccc	taggcctgct	ggctctggtt	ttctatgcag	atgattcatt	4140
ggattggggg	tgagtgtttt	gtttttctgg	gggcagtgtg	agctttgagg	gttggaatat	4200
tgggaggcat	tccttagttt	cctcaactag	cctggaaagt	taggagtcta	gggtaattac	4260
cccccaatga	gtctagccta	ctattcactg	ctttgtgtgc	atttttttct	ccctctttaa	4320
aaaacccttt	aaaagaaaaa	aaaaagtaga	tagtgctaaa	tatttagctc	atgaaacttg	4380
gttaggatgg	ctgggggtac	aagtcccaa	actacctctt	gttacagtag	ccaggggagt	4440
gaatttcgtc	aaccggtact	tttaaggtta	ggatgggacg	ggaaaagtga	agcaggatat	4500
tagctcctta	taccttctcc	cttccatttc	tgagatctca	cattocatct	atcacagggt	4560
tttcaaagag	atgctgaggg	taacaaggaa	ctcacttggc	agtcagagca	tcatgctttg	4620
aggtttgagg	tgctcaggct	gggagggtag	aatgccattc	cagaggacaa	gccacaaaaa	4680
tgctttaatt	tgagctcgta	tttacccttg	ctgataagtg	acttgagagt	tcccggtttt	4740
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gagcttgggt	tccaaagcgc	ctggccttct	cacttcacat	tctcaagtg	cagtttcatt	4860
atttagaatg	caaggtggac	atcttttggg	tatctttttc	tatatatttc	taaagcttta	4920
catatgagag	ggtatagggg	ggtgtttata	aaacacttga	gaactttttt	ccttaatatc	4980
agaaagcaaa	aaaataaaac	cacaattgag	atttgccctt	caaaccctca	ggtttgccctc	5040
taaccaggtg	tccctgggtca	ccatcagagt	actggaatac	gggaaccgag	gaggaccttg	5100
gtccttttgt	ttttgttctg	gactcttggg	agtggaaatg	ggatgagttt	atccactgga	5160
gcttaagtcc	catgcatttg	ctccagaaag				5190

<210> 982

<211> 3496

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U69263

<400> 982

cgaactctga	aaaggcgggg	cagcgggcct	gcagctcctg	gagttcaggg	agacccggaa	60
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tgaaaatgga	aaagatgtct	gcaggctgct	ttctgctgat	cctcggacag	atcgtcctcc	180
tccctgccga	ggccagggag	cggctcacgtg	ggaggtccat	ctctaggggc	agacacgctc	240
ggacccaccc	gcagacggcc	cttctggaga	gttcctgtga	gaacaagcgg	gcagacctgg	300
ttttcatcat	tgacagctct	cgcagtgtca	acacccatga	ctatgcaaag	gtcaaggagt	360
tcacgtgga	catcttgcaa	ttcttgga	ttggtcctga	tgtcaccga	gtgggcctgc	420
tccaatatgg	cagcactgtc	aagaatgagt	tctccctcaa	gaccttcaag	aggaagtccg	480
aggtggagcg	tgctgtcaag	aggatgcggc	atctgtccac	gggcacccatg	acgggctggg	540
ccatccagta	tgccctgaac	atcgcttctc	cagaagcaga	gggggcccgg	cccctgaggg	600
agaatgtgcc	acgggtcata	atgatcgtga	cggatgggag	acctcaggac	tccgtggccg	660
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tagacttcaa	caccttgaag	tccattggga	gtgagcccca	tgaggacccat	gtcttccttg	780
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cccacatgtg	cagcaccctg	gagcataact	gtgcccactt	ctgcatcaac	atccctggct	900
catagctctg	caggtgcaaa	caaggctaca	ttctcaactc	ggatcagacg	acttgcaaaa	960
tccaggatct	gtgtgccatg	gaggaccaca	actgtgagca	gctctgtgtg	aatgtgccgg	1020
gctccttcgt	ctgcccagtg	tacagtggct	acgccctggc	tgaggatggg	aagaggtgtg	1080
tggctgtgga	ctactgtgcc	tcagaaaacc	acggatgtga	acatgagtgt	gtaaatgctg	1140
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gcacaaagat	agactactgt	gcctcatcta	atcacggatg	tcagcacgag	tgtgttaaca	1260
cagatgattc	ctattcctgc	cactgcctga	aaggctttac	cctgaatcca	gataagaaaa	1320
cctgcagaag	gatcaactac	tgtgcaactg	acaaaccggg	ctgtgagcat	gagtgcgtca	1380
acatggagga	gagctactac	tgccgctgcc	accgtggcta	cactctggac	cccaatggca	1440
aaacctgcag	ccgagtggac	cactgtgcac	agcaggacca	tggctgtgag	cagctgtgtc	1500

<223> Genbank Accession No. T90038

<220>

<221> unsure

<222> (1)..(255)

<223> n = a or c or g or t

<400> 924

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tttttacatt attaacaaat ttattgaaca actagaactt gacaagcact tgcccagtag 60
aggggataca gtggtgagca ataatagtga tgataatgag gagcagtttt ccctagcagg 120
cagcagttga aaggantatg ggtttaacat ccaccantga ccaggngtgg acagntcctt 180
ttccagggng actgagtcca tagtgggntt aaaaacatcc ctgtaattct tctagcttcc 240
ttcatccaan ttacc 255
```

<210> 925

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90190

<220>

<221> unsure

<222> (1)..(391)

<223> n = a or c or g or t

<400> 925

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tantnntcca gctcttttat tgagatcagt ggtggctctg aaaagcgtnt ttnggggtttt 60
agaagtaggc gttcgctaatt ttcttcttgg gcgccgttc ttaggcttga caaccttggg 120
cttagcggcc ttggnttcac agccttagca gcacttttgg cagctttctt gggcttcgca 180
accttggcct tctttgggct cttagcactt tcttggttac agtggccgcg gcggctntct 240
tcgctttctt cggngtttcc ttagcgctct tcttcggagt tgcgccgcca gccgcccttc 300
ttgggcttct tggtncccc aactggcttc ttaggtttgg gtccgccgcg cttttnaacc 360
ntggggcttg gnttcccccg gagcttgctt t 391
```

<210> 926

<211> 483

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90619

<220>

<221> unsure

<222> (1)..(483)

<223> n = a or c or g or t

<400> 926

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gannntnntg ggctcggcgt ggtggtgaag ctgtagcctc gctcagtga gatctncatg 60
aggtagtcgg tcaggtcccg gccagccagg nccagacgca ggatggcgtg ggggagggcg 120
tcggtacgaa tgggcaccgt gtgggtgacc ccgtctccag agtccatgac aatgccagt 180
gtgcgccag aggtangagg gacagcacgg cctggatggc acgtacatgg ccgggggtgtt 240
gaaggtctca aacataatct gagtcatctt ctctctgttg gccttgggggt tcaggggggc 300
ctcggtcagc agcactgggt cttcctccgg ggccacgcgc anttcgtttg tagaagggtgt 360
nggtgccaga tctttctcca tgtccgtccc agtttgggtga cgatgccatg cttcaatggg 420
gtantttcag ggtcaggatg ccangtttgc tcttgggcct tcgttcgccca cgtaggggaat 480
tct 483
```

<210> 927

<211> 233

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T90889

<220>  
<221> unsure  
<222> (1)..(224)  
<223> n = a or c or g or t

<400> 927  
natgaacagt atataatcta atctcttttaa ttttatgtac atgaatataa tgtatgtcaa 60  
ctttgtacat gagatacata tagtatttaa acattttact caacaaacaa gaatttacia 120  
tagcaatata actgactaga gggctatcaa cttaataata cttagattag atctgtactt 180  
taataggaaa agaatttaaat agttttacaat catagaaaca ctgacattta aaa 233

<210> 928  
<211> 305  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T94447

<220>  
<221> unsure  
<222> (1)..(305)  
<223> n = a or c or g or t

<400> 928  
ttaattatng atattccccc tcaccgccct cagggancgg gagaagtcac acgaccatag 60  
ggagcttgga cttgggtggtc gtcacggtgc tggcagacga gggctcttcc aggaacccct 120  
tgctagaatc agccctcata caagtgtgct cagagatccc aggagcgatg gcacccctccc 180  
gaagtcacta ccccatatg tctccttggg cttcttcccc ctctctttct ggaacctgac 240  
caggcagaac gcagcaactg ncagcaacag caccgccagg gagcacccca atcagagntc 300  
cggcc 305

<210> 929  
<211> 302  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T95005

<400> 929  
ctttattgaa aacattgagt gcagaaataa accctgctca tgaatgggaa aattcaattt 60  
tacacagggtg ctgattttat ccagactgat ctatagattc agctgggttc cattctacat 120  
ctcaaggggt ttttgggggg aatttgacaa gctgattctc aaggttacat ggaagagcaa 180  
gggcccagac tagagtttag gagatgattc ccaaaggcac aggggcagaa aaatgaccag 240  
tggaaccaca tagaaaaatc aattattgta ttttcaatgg atcactaggc agcaggggaaa 300  
ag 302

<210> 930  
<211> 352  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T96171

<220>  
 <221> unsure  
 <222> (1) .. (352)  
 <223> n = a or c or g or t

<400> 930  
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 cccaaagtcc tgggattata ggcattgagca ctgtgcccag cccatagatg gcttttatta 120  
 ccttaaggta tgtcatgagt aaccttttaa ttctccataa aattaattat tgtgtttttt 180  
 gtttgcttgg ttttctatga ccctatcata aattcaactc caaactctgc accaattttt 240  
 tttaaacttt actcaagaat ttagggccac ataaacattc caacaaattt gtcttcgtag 300  
 ggnaaatctt ttccagagtt tttccccact atggcctaata gcgcagnggt ca 352

<210> 931  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T97243

<220>  
 <221> unsure  
 <222> (1) .. (358)  
 <223> n = a or c or g or t

<400> 931  
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 gagaaaaccc aggaagtggg ggggtggggg gtggggagag gttttataaa taaaaaaccc 120  
 cgagcagctt ttcagaggca gaggagctaa gagaagcagc agtccaaagt gaggaaggga 180  
 gtgtgtggct cctgggacct gccccttgct ccctcactca cagctgctcg taaacacccc 240  
 tttcaaaagg ggctgcaccc tttggatatc tgcttctttc tcttggtccc tggggacggc 300  
 aactagctct ggcttcaatc ccctacaaaa attcctgaga tcttcggggg accccagc 358

<210> 932  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T98019

<220>  
 <221> unsure  
 <222> (1) .. (348)  
 <223> n = a or c or g or t

<400> 932  
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 agctgttctt taagggccca gttcttatcc tcagaatctc tctgtagagg caaacgaag 180  
 atcagaggat gattagaaag ccagaggaaa ggtcaacagg gagaagagag cccagggaaa 240  
 ctacaggtcaa gccaaaagag ggagcacagt aatttatattg gtatgtgcct caatctgtgt 300  
 tttccccaag gccttgggaa gaattaaatt cttttggtat tgtntttt 348

<210> 933  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T98288

<220>  
 <221> unsure  
 <222> (1)..(307)  
 <223> n = a or c or g or t

<400> 933  
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 tgctgtccca acctgctgga ctcaagtgat cctctctctt cagcctcctg agtagctgag 120  
 gctactggca tgcacccacc ctgataggng ttttttattt ttttagggatg ggggtcttgct 180  
 atattgcaca ggccagtctt gaaccctggg gctcaggcaa tccctccacc tcagcctcct 240  
 gagnaattgg ggactacagg tgtgaaccac ggatgcctgc ctaatttttt tttttttttt 300  
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<220>  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. U09366

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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. U10550

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 agtcaagga acacctacta ccgagtgggtg ctcatagggg agcagggggg gggcaagtcc 480  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. U11861

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 agagacgaga gatctttctg ctgtctatac tcttggaag caccatcctaa gatcttttgc 360

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<210> 946  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. U12775

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cgggtgatcc ctaacagggc ggcttcccag ggctgcaggc gggcggaggt tccaggagat 300
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<210> 947  
 <211> 2187  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<211> 2470  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. U15932

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 <213> Homo sapiens

<220>  
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<220>  
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<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U23946

<400> 955

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 <212> DNA  
 <213> Homo sapiens

<220>  
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<223> Genbank Accession No. U26174

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<212> DNA

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<223> Genbank Accession No. U72649

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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 3452

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<210> 989  
 <211> 1909  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. U91903

<220>  
 <221> unsure  
 <222> (1)..(1900)  
 <223> n = a or c or g or t

<400> 989  
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<210> 990  
 <211> 716  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. U96094

<400> 990  
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 cggtagattt attccccaac tcttaactga aaatgtgtta gacaagccac aaagttaaaa 540  
 ttaaactgga ttcattgatg ttagaggattg ttacaagccc ctgatctgtc tcaccacaca 600  
 tcccttcaac ccacacggct tgcaaccaa ctctaattca acctgccaga aggaatgtta 660  
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<210> 991

<211> 159  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. V00563

<400> 991

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ctaaccgtgc aacgggtgag atgtgactca taatagata 159
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<210> 992

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. V00594

<400> 992

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aaagagtgc aatgcacttc gtgcaagaaa agctgtgtgt cctgtgtccc tgtgggctgt 180
gccaagtgtg cccaaggctg catctgcaaa ggggcgtcgg acaagtgcag ctgctgcgcc 240
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<210> 993

<211> 3565

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. V01512

<400> 993

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ttgtttgctt attgttccaa gacattgtca ataaaagcat ttaagttgaa tgcgaccaac 3540
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<210> 994  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W02204

<220>  
 <221> unsure  
 <222> (1) .. (448)  
 <223> n = a or c or g or t

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<400> 994
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tacttggaa accttagcca tcattcaatg ccaaaatggt tgggtttttt tcatatcaca 180
tccgtcctat cttttcatct tcagtgaatc attcctcatg tttgtaatta aagccatatt 240
taccatcata atctgcagtc acccgagctc attttgcct gaagccagtg atattaagct 300
gttctatttt taacgtgtcc cttaacttga ttctaagtaa aagcagcaag cagtgggtat 360
ttaatataca aactcatcaa attccacata anacatttaa ccacagnttt aaaaactoca 420
gtggccttta cactagctac cntgggag 448

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<210> 995  
 <211> 378

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. W20486

<220>

<221> unsure

<222> (1)..(378)

<223> n = a or c or g or t

<400> 995

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ggctnngntc ggggcccagc accggtggga gcggggcttc tctggcctcg cgcgcggggg 120
acngnccctt tccctcccg ggaacgcgca ggaggcaccg cggccccngg gttggaacaa 180
acgcgtttac tgcaggcaag gcggcgggcn cggggcggct tcaccaggcg aagaggggct 240
tgcgtcctcc ttggagaagc tccgcacagg cagttgaagc agcagcagca agtcgcccag 300
gaacttgggg ggcaccacgt cgatgaccag cttgcgcacg cggcccgggc ttgctgtgca 360
aggggggttg cgcgacgg 378
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<210> 996

<211> 687

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W28214

<220>

<221> unsure

<222> (1)..(687)

<223> n = a or c or g or t

<400> 996

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tccctggctcc ttgcggtcac attctgggtc tctgtgtttg gtggactctg ctctcactgt 180
tcaccagca ctagcagtac cagatgggtc tgtggagtcc tggggaatgg agagagcaca 240
gtctgactcc ctgccaagta gccaggagtt gacttgccca tggtecgctg gctttccac 300
cacttcctac aggatgggat ctaagagact caagagctgg gtttctttca gnactctgta 360
ctgtcccaaa tagnaacaa ntcacttngt ggccagattt ctgaatggaa atgagaaatt 420
gaattcagct tgggacttaa ccaggctgac tngntagggg ggnnnnnncan nnnnnnnntn 480
gntcaannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnn 687
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<210> 997

<211> 870

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W28548

<220>

<221> unsure

<222> (1)..(870)

<223> n = a or c or g or t

<400> 997

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tctcacacat tcacgcatcc agtcacccac tcagaggcca accagtcaca cattcactca 60
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PP 451-546

ggggataacc 120  
agaaggacct 180  
cacactcagc 240  
agctgtggat 300  
tggttcagat 360  
cctaattggga 420  
ctngtggttg 480  
gggatcttgg 540  
ccaggntgac 600  
nnnnnnnnnn 660  
nnnnnnnnnn 720  
nnnnnnnnnn 780  
nnnnnnnnnn 840  
870

0960000960

<211> 296  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W31470

<220>  
<221> unsure  
<222> (1)..(296)  
<223> n = a or c or g or t

<400> 998  
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cgctctccgc ggggtgaggca aggaannnng ngagacgcnc gagccgggtca ccacaagggtc 120  
cgctctggacc ccggccgtca cggacgtacc tactggatgc agatgggtcca gggatctggg 180  
ggctctggga gagtgggtgtg tggactgcgg gccagctgg acaaaggcag gggcttcctc 240  
agaagctctg ctggtcacgc aggcgtccgg cccacggctt tcaacagccc tgcaag 296

<210> 999  
<211> 353  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W33172

<220>  
<221> unsure  
<222> (1)..(353)  
<223> n = a or c or g or t

<400> 999  
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gaggatatca tcaaatctga caatctggaa agcctttgaa actgttcttt tcctaagcac 120  
agtattcagc tgtgtcctct tgaaccata tctatcaggt caacagcttt agccattcc 180  
acatgatatt ggctgtgggt ttgtcatata tagctcttat tattttgaga aaccgttcta 240  
tcaataccta gtttattgag agtttttaag catgaaaggg ccttttgaaa tttttgggtc 300  
nacgggcctt ttcctggcaa tcttatttga gnataaatcc aagccgggtt ttt 353

<210> 1000  
<211> 437  
<212> DNA  
<213> Homo sapiens

<220>



<223> Genbank Accession No. W33179

<400> 1000

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gtacctcaaa cactgggata aaggaggcgg tccagggcaa tgcagtgatg tctgtcaaga 180
cattccccct cccctaaact cagtagcagt tgaggatgac atttcaggct agagagaccc 240
aaaataacctc tgttccacct gagagcaagg tgggaagtgc atcagctact gcccgaagtg 300
agcttcatct tctgattgtg ggctttggag gaacgagaga actggctctt gggcactgtg 360
gaggggtaca gctttgccac tcaaatatac cttattgtgg gcattcaggg agccagggtc 420
cagagctgca gggctgc 437
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<210> 1001

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W37384

<220>

<221> unsure

<222> (1)..(506)

<223> n = a or c or g or t

<400> 1001

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taacaagggt tgagggaagc atatctgaca catgagcatg aaaccaaata accatgctta 120
tgactacaaa aaggacctaa gcctttttaa ctagactgtc tcaactgtgc attaattatg 180
tatttagata taggatatgt gcttgggaaa atgtataact aaactttatg tcttacttct 240
caaaacttaag aaaaacaaaa acatctagca acatcttaca tgagttttcc attacctagt 300
gttacatcat tggtaaaaac atactctaag cctatatatt accttaatgn tatccgggtc 360
ctagaatagt tattccntta acacttattt ttaaggaata aatttaattt acntggagggt 420
acctaaaccc caggaaataa ttttttccaa cggtaggagg tacagccctt tataatagggt 480
taggtccngg attgggtccc tcggggg 506
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<210> 1002

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W37778

<220>

<221> unsure

<222> (1)..(383)

<223> n = a or c or g or t

<400> 1002

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gaaaaagaaa ttcctagccc tttgaaggnt tgacaactct aaggggtcta cgtgaaagag 120
tcataataga tcaagtaagt gtgaggaatg tgactgtggg ctacctacat cagctaacag 180
tacaaaaagt tttacagtgc tttctcacac aatgtctgga atttacagat aacaccagta 240
ngttttgggc aggggttaat attattatca ttctaaccac cagggccagg tgggtggcgc 300
aaggctgtct agctatttat ctttcttctg tttctttcca actttttgct ttctcccttt 360
tctcctgtct tataaactag gga 383
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<210> 1003

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W42483

<400> 1003

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agcacaacac tcattctttta tttattttatt attttttttt actaaggcac atgacgtaga 60
aatattgagg tacaaaatgc aaattttctgc ataagatttt taagatattc attttgga 120
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agttcaacca gcaacttgta cctagcgata cagtcttcct tgctcttgga cgggacacat 240
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agaagtttct gttgattttg agtccacggc tcctctgcag accgagctct ctcttttctc 360
aggctctcct cgtc 374
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<210> 1004

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W42778

<400> 1004

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aaagtttaca aactgcttag ttccaactaa gcataagagg tgagaacgta cactgcaggg 120
ccaccagcag cagctgtgca ctogatcggt aaaactggct cccccagact tgtagtgctg 180
tcttcagggg gctgcattcc ttacacgcca cctcttggtg cataggtcat tgggtcaagcc 240
gctggaatgc tacagagggt tttttgggtt tgagaggctt tttttgttt tgccctccta 300
ctataaaagc gaaattttca gttcatttct gaaaaataaa ttggtcaata aattcatttt 360
gttctgcttc tactttacac aaa 373
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<210> 1005

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W44558

<220>

<221> unsure

<222> (1)..(377)

<223> n = a or c or g or t

<400> 1005

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ccctccctn ctgncannnc nnngaggtnt nggttnaccc agaactggag tnaaaggcca 120
gggcaggacc aggggtccata aagcttgccc ttcccccaac ccttccttcc ctcaaagtgg 180
caaggttaga aaaaaattaa ctatgttggt cctccctggc actggataaa ggccccactg 240
cagccaagga gaaagagggg ggtccaggct cccctccan ggcagagaag ctgctggctn 300
ggctacnggg gaggggtggag gtggaggtag gttatgggac agagaggaca agaagtggcc 360
tgaacacctt ttccctt 377
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<210> 1006

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W44760

<400> 1006

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attagtgaaa tagaaaactc acaatatact taagagtctg cccccaacc attacaaagg 120  
 gggttgagaga agagagaagc agaaaccaa agagaaacag aagtaataat cagttatcac 180  
 atgattttta tagtaaacaa tagaatatga tgtgcaatag tgcaattttc ctttgctagt 240  
 ccagcaatgc aagtaagtct taataggaag tccactgtgt tactttttgt atttcgggat 300  
 ttagttgcgt gcttgccggg gggtcgagtt cctgccagac ttctgactct gagtggaaatc 360  
 actattgcta gaatcacttt tactgagtcc aagatgacga agcttcatat cccagcgctt 420  
 aactttttta ccgagtcgat ccttcactt ctcagctata gagccttcca ccaaga 476

<210> 1007  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W45531

<400> 1007  
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 caaaatctga gtaatttatc accttttaac atcttcaaca tttttataat ataaatattt 180  
 tttaaaaaac cgattattaa actaatactc ccctggaaga acaagaggac taatttttcgg 240  
 tgacgacaga cttgtgctga tccatcatct ggaactccta aagacctgaa tggctgactg 300  
 ggattagtga ctactatctg gttttactgg ttttactcta ctaagcccat gattttgtgg 360  
 ttttaaccaa ttaagaaaat tatccccaag cacaataaaa at 402

<210> 1008  
 <211> 534  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W45664

<220>  
 <221> unsure  
 <222> (1)..(534)  
 <223> n = a or c or g or t

<400> 1008  
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 gaattacagc ttatgttaga aggttctctt ctcatcgata cttcatgtt agaagaaaga 180  
 ggacagaggc agagctgatg gaatctcata aaataacagc taatgccgtg tgtcaggcac 240  
 tatgcttaac aagtatctgt ttaacatgtg taaatgctct ttagctcttg cttttctata 300  
 atataaaaca gtccctggag tcctgttctt ccccttcctt tctctcgtgt cctttggact 360  
 gtcttttngc agcctctggc ctttctcatt atctactaca gcttgctacc tgactcatca 420  
 aaggcacatg ggtgttgcaa gagaggatgg gaaccgggtg gtttatacca ttaaactggc 480  
 cattataaca gggagctata aggtggaaaa ataggagncc aggaaataaa gccg 534

<210> 1009  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W46395

<220>  
 <221> unsure  
 <222> (1)..(444)  
 <223> n = a or c or g or t

<400> 1009  
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 ctcccatgca cttgcccag gcggcctctt tgggacggg atggtttgag gaaacacttt 120  
 taaagaaaaa aggaagacat tgaaagggtt tagtttcttc cctatctgca tgtcctctca 180  
 tatagaaagc ccagaattag gggctagaac tccaggagag ggtctccccg actcatctct 240  
 tgctgacggc caccaggatg cagaaatagg gagatgggta gtgggggcca aagatgcccc 300  
 ctcccaggcc ttcgtgggtc cctcctccgc cccctgcaat ctttgggagg agtcagtgcc 360  
 tcaactccagc agtgagtgcc tactgtatgc aggtagtcag ccaggcaaag agagactaac 420  
 ggtctcatgg gggaacctct tgan 444

<210> 1010  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W49708

<400> 1010  
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 tctggcccag gtgggacttc ttccctcata ggtgggtcag gccagtgagg acagtcttgg 120  
 tgggtgtaag aaggggagcca agtgacagaa ggtctccaag gcataggaga tgggtgccgg 180  
 tgagtctggg gaaccgagga ttatgaagcc tgctggaagc cttggtatgg tatggttctt 240  
 ctcaactgtg gctgcagatt tctcttcatt ggctgcctcc tctgaaaaca gactcctctt 300  
 ttctgcaatt aatcttttaa ctccctaccat ccactgactt gacctcagtc acatggtcaa 360  
 ccatgagggg gcggtggatg tcatctgctg cgtcccaccg gtggcttgaa aagctcttgc 420  
 accagtagag ccattctctt ctttacaggg tattgacaac tttcctccaa gccactgtt 480  
 ccttgcaag 489

<210> 1011  
 <211> 678  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W51743

<220>  
 <221> unsure  
 <222> (1)..(678)  
 <223> n = a or c or g or t

<400> 1011  
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 gcaaaaaaat acgtaataaa gaatacatat atatatatct acacacaaat tatatatcta 120  
 tctatctata cagcgggaacc acaagagaga ctgaggaagg cctggaggca ggggcagagg 180  
 tgacgacagt gccctatat ccttaaccga tactcctctg aggcaaacag gcatgggaaa 240  
 atggaagggt tgaggatgga ccggagaatt ggaacttcag aatagggtcaa aattccaaaa 300  
 ccatggacat ttttttttgg gagaattgag attgtagaca tttttttttt cttaaatatg 360  
 atcaaggaaa atagcttcca gaatgtgggt gttctgggca acaaatgaga ttgtggcgac 420  
 gtggagatta aaatatatgt atttgagctg gggaatttga atattgtgag tttcagatgt 480  
 tggaaatttg ggatttttga gttttgtctt ttgaaaatga tcaagtcttg tcagttcgtg 540  
 cctctcttcc ccatgttccc tgggaagacg ggtgggtggc gagtgagaag gccactggtc 600  
 tgtgcgcgac acgcaaaatt tagaatctcc agctagctct atcgtgtgag gnccagatta 660  
 gggaantgcc atattacc 678

<210> 1012  
 <211> 453  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. W52065

<220>

<221> unsure

<222> (1) .. (453)

<223> n = a or c or g or t

<400> 1012

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cctttttcttt aataaaataa ttaaactctg gcagaaatta acttattcaa aaagtcatac 120
taatactttg ttatgacttt ttatagaaaa acaaacttta tttttttatt tttttgagat 180
ggagtcttgc tctgtcacct aggtctggag gcaatggcac gatctcagct cactgtagcc 240
tccacctccc aggttcaagc gattccccct ccttagcctc ccgagtagct ggaattacag 300
gtgtgcgcta ccatgcctgg gctaattttt gtatttttag tagagatggg gtttcaccat 360
gttggaagg ctggttttga actcctgacc tcaggtggat tcacccgcct tggcctccca 420
aagtggctgg gattataggc gtgacagcct gna 453
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<210> 1013

<211> 618

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52493

<220>

<221> unsure

<222> (1) .. (618)

<223> n = a or c or g or t

<400> 1013

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aaacatttaa gacttcacac acacacacac acacacacac acacacacac acacacacac 120
acacacacac acacacaatg attggagggc tatatgatcc agcattagct tcctgggtgtg 180
ccaagcatgc ttgatccggg aatttttttt tattattatt attttttagc tgtagctgaa 240
ggcattttct ggatgtggag aggagaatgg aaatcgcaga accaaatcag tttgccctgc 300
catatttggc tgtggtctgt cattgggcat ttctgatgtg cttttctgga ttcaggaaga 360
gctgattgtc ctccgagggt ttgaaaaaaa aaaacagttt cagaaacctg aatccagggc 420
cttatagttc tctcatttat ctatcttctt ctcccttccc tcgccaagg ggagtggggg 480
gaaacacttt tcaactgcaga gtttgcttta aagtttttcc cancttgcgt gcattatccc 540
ntgatattaa aattaatttc tcagtttaat ccacncctgc tgagaaantg gtgtgagatt 600
aggcngtggg ggtttttt 618
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<210> 1014

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52638

<220>

<221> unsure

<222> (1) .. (466)

<223> n = a or c or g or t

<400> 1014

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gagtttaagg ctttccgac caccttgtgt tcccccttcc tgcgcaccat gtatcacgtg 120
gagttgctcc ttaccacacc tcacgtgccc ctgagcccta tttcctgatt tcttctgggc 180
tggaactccc cggtctccac cagcagctcc agtatcccaa actttctagt cctgctgac 240
ctcccagcaa cggggtggaa actggagggc agtgtctggt ctgttttcta agaaacttat 300
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gaattctatt atctttacaa atatgagaaa attttttcaa ttttttttat taatcttttt 360  
ataaaatgaa aagaaactcc tatgatcgat taaggaaagg gggtatggct ggggtggttca 420  
ggggtttttt tgggtttcnt tttttttttt cnttgtcctt ttaacg 466

<210> 1015  
<211> 511  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W52858

<400> 1015  
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aggcatttag ttaagtatag caattcaaac tgacctgcat ccatccaaaa caaatcctc 120  
cttcaacctt atttttactt gaaatttgct agaagaaata gcaaaccga aatttgttt 180  
atgcatgagt taataccact ggctcagcaa atacaagtta gtttgcttta agcaggtaac 240  
tttttttgta atggaacgaa atgcaactaca aagttaagac agatttttgc taagtgcagg 300  
aggcccttta ttattgctgc agaaaacaaa agcctggctg agttgatgtt ttacattctc 360  
ccttactgaa atctacatga catgatgctt cttgctgggt tttgtacat ggtaaacatt 420  
ggccaagctg tgaaagaaaa tgggctggag gtgtgctttg gtgtggaaag ggtgagcaat 480  
aaaggtatcc ggtaagtgc cccaaaaaaa a 511

<210> 1016  
<211> 426  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W56792

<400> 1016  
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accaagaaat gggacttagg aaggggaagg aagataaaga aaaagatcaa gatgatctga 120  
ttgagagaca gtgttgaact ccaaatactg aactggaaaa ggaggagggt ggggaggaac 180  
aggaggagga agtaaaaaaa tttgatcaga gaaacagtta aaatacaata tgaaaaaag 240  
taataacctt ctttaaattc cttctataca caaaatacac gatttgccaa agcccaattt 300  
gtgctactgg gattctgtga gctccttaag tgtattcaca tcctctgcaa cagcagaaaa 360  
tgattatgat acaatcagaa tatgctgaag acaagttaaa ctcttgccag cagggttcctt 420  
aaaaat 426

<210> 1017  
<211> 426  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W57931

<220>  
<221> unsure  
<222> (1)..(426)  
<223> n = a or c or g or t

<400> 1017  
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gtgaagcccc tttggtnta agagcatttt cctgcttcct ttgttcttcc tgcaacttct 120  
gctgcctgag ctgccatgct tgtaatccag cgtccatttc ctgtgacagc agtacaactc 180  
gtcttgcaaa cgtctccctt tcagcttttc ttccaagctg gcctttcatt gggggagcag 240  
ggcggccatc cgattatgac cagtctggga gctcggtaag gggcccgtaa gccgganggg 300  
ttggcagcca agtccctgct gtantcgcca ctggccgccc gcccaagcgg ttacnttgca 360  
gtgcaccctt ccggacacct gtgaagagaa cagtccctaa agcagccatg tgagcagcct 420

cgtgcc

426

<210> 1018  
<211> 98  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W60186

<400> 1018  
aacttacaaa caaaaatacc gtaataataa acccaaacaa agaccctcag cttgctgcc 60  
cgttctctat gcggtttggc ggggcgggta tttacaag 98

<210> 1019  
<211> 551  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W60649

<220>  
<221> unsure  
<222> (1)..(551)  
<223> n = a or c or g or t

<400> 1019  
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acaagagttt aacacaggcc aggctggttc tcacaggaat gactccacgt gtgcccagc 120  
atcccaggga ggggagggca acagggggag ggcggggagc cccanggacc tccactctcc 180  
aaagggggtt caggccaggg ccnactactc atgttcctcc aggctggctc agaacagccc 240  
ctttgccttg gggaaggaag aagtgagaag cacctctatc acctggcagg agtttaggag 300  
acatcctcca agaccccgga ggtgtcctgg gacccccctgc cacttcctga gagccagagg 360  
atcttaagac tnttacctgt ccctttggag gtagcatggc cggcagctga gcacagctca 420  
ggccctttac agcaccgtgg ggtgaagtgt gtcttcccca ctccagcacc aagccaaggg 480  
nttggcacc cgccttgggg naatttggcc tnggtggccc ttgtcatttc caaggccaag 540  
ctatgaatgg a 551

<210> 1020  
<211> 597  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W63793

<220>  
<221> unsure  
<222> (1)..(597)  
<223> n = a or c or g or t

<400> 1020  
ggaactgaga aaacagcaaa gttgactaaa ttttatattt cttgtcctct aaatatatttg 60  
ataatttctg gattgatgca gtgatgtttt tgttccttcc gtatttataa atgaaacacc 120  
tttttttagt gtttctaaac ctaaaatcta cttgggttga aatcaagtgg ttggaacact 180  
gtttgacttt tatttgaagc atgttggtga ttgaaaattt cattgaggaa gttttcaatc 240  
agtgtgatca gtttgattct gtaatgagca cagcacctaa tattttgagg agctctgttt 300  
tgaggacca tgcttaagggt ggactttggt cgtaaacaat atcccaatag atttggtgac 360  
ttgaggctctg gtttggtttt gtttttggtt tgttttggtt ccaatagaat 420  
taagaattct aatgttgaaa aactgcacaa atttttatgg gacaaagcct agaaaagaga 480  
aatgtagttt gaatcataac caaaaccacg gatgatagaa gagggaaagt ttggggccat 540

aattttctcct tcactggtgt tgacctaaac cgttggaaag gaattccggn cccaatt 597

<210> 1021  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W67225

<400> 1021  
ttttgtgttc caataaaatt ttattaacaa aatatgacag tggggggggcc acagtttgcc 60  
aaactttgccc ttggaggaca tgcagaggca ccctcagaat tcagtgaataa cctgctccca 120  
tattgctaag actcatgaag tataatctct catcttcttt ctctttcccc tgcccaagcc 180  
ctaagttagg gtteccatcc atataacaaa gacttctggt caggtggcat ttgctatctc 240  
tgagattccc tgcccatgaa agccacaaag agatttcttc ttttacacac cctgaagcat 300  
attatggccc cagcaaggct aactaaatca aactgtggtt taaaaacaaa acaaaccaac 360  
cactgtgaaa tatttatatt tgttttgtag tattaagcat gattaaacca gtgcagaaaa 420  
ataactaagta cattgggtaa aagatga 447

<210> 1022  
<211> 411  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W67577

<220>  
<221> unsure  
<222> (1)..(411)  
<223> n = a or c or g or t

<400> 1022  
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cttccttgagg nagtggatgc tngggaaagg ggaagagagt ggctcancct ggcaggtaaa 180  
taggctagaa aagccaaggc caaanctggn gaggggagag gacagtcagc atgtccagcc 240  
tgggggtctgg gtgtaagggt tatcccttct ccctggtgcc ttcccatctc gtccatgagc 300  
ctaaggctctt gggagccttg tgttgggagg ctgctgtgat gtcagggaac ggggatctgt 360  
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<210> 1023  
<211> 473  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W69302

<400> 1023  
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ccgggtctca gctgccccag gcccgcacag gcaacccctt cccatccaaa gccattgggtg 120  
gagcttctctt ggaatcattt gccaaaagcc caaggcagaa tccaagggtc caagaccatt 180  
tccatggagc tcatgttttt cttttctgta ggaacttttt tttaaccagc acccaccata 240  
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cgttcccatg ctggccttggt ctgtctcgga taaaactttg tatgtatttt gtatggcata 360  
gattctatat tgtaaatgat toctatgcaa aaagagaaat taacgaaatt gtaaattttta 420  
ttgttttaac gtgtatgcat gtttagtgac gtttacattt tgaaataaaa ttt 473

<210> 1024  
<211> 128



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W70131

<400> 1024  
gttttttgac ttcatttatt atataaggaa cctaactcaa attggcttaa gcaattaata 60  
aatgtttatt gttacattgt tgtaatgtgg ctggaaatcc agaagtcata caaatctgtc 120  
aggattgg 128

<210> 1025  
<211> 428  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W70167

<220>  
<221> unsure  
<222> (1)..(428)  
<223> n = a or c or g or t

<400> 1025  
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agtgagaagg tccgctccac taatctcaac tgctcagtga ttgcggacgt gaggcatgac 120  
ggctccgagc cctgcgtcgg acgtgctggt cggagacggg catcgctcga ttatgcgcgg 180  
cgtcatctca ccgctctgga aatgctcacc gccttcgect cccacatccg ggccagggac 240  
gcggcgggga gcggggacaa gccgggcgct gatactggtc gctgacagcg ccaaagagac 300  
caacaagatg attttagcgt ggactaggac acttaaccta agaagagttt cacttaatca 360  
ttcaaatac tatctgaagg gtcacggagc gcaaaataaa gtttaaaacc ctgctaccaa 420  
aaaaaaaa 428

<210> 1026  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W73038

<400> 1026  
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ccctcccttg tctcagcca gtacagaagc caaatgtagc cccagcccta gactccagcc 180  
caggcagagt ccaagggagg ggtgtcaggg tcagaagtca caggagccc agtgactatc 240  
aaggtggctg agagcaaggc tagggtaggg atggggcaga gaaagggcag ggggtgcagc 300  
ccaggtggcc caaagcaaca cagaggagca agggctggca ttcaagtcag caggtcctc 359

<210> 1027  
<211> 620  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W73790

<220>  
<221> unsure  
<222> (1)..(620)  
<223> n = a or c or g or t

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<400> 1027
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gcttgggatg cagagagaga cccttcccc gggatcctgc agctccaggc ccctttgggt 120
ggggtcgggg ctgggaacct atgaacattc tgcaggggcc accgtcttct ccacgggtgct 180
cccttcgtgc atgacctggc agctgtagct tctgcgggac ctccactgct cgggcgtcag 240
gctcaggtag ctgctggccg cgtacttggt gttgctctgt ttggagggcg tggatcatctc 300
cacgccttgg gtgatggggg taccatctgc cttccaggtc accgtcaaga ttccccgata 360
aaagtcattc atgagacaca ccagtgtagc cttgttggct tggagctcct cagaggacgg 420
cgggaacaga gtgaccgagg ggggtggcctt ggntgactta aaacggtgag ctgggtcccc 480
ctgccaaaca catgcgtcac tgagttatgc ttggattgaa accccggggc cancacttgg 540
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nttctccagg gtccaggnc 620

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<210> 1028
<211> 697
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. W73859

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<220>
<221> unsure
<222> (1)..(697)
<223> n = a or c or g or t

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ggaaaccgca gactgacctg aaagaagtgg tgaccgagag ccgcttatgt ggaaccaccg 180
cgtcctgacc ttggagggtgc gactctggga aaggcgcgct cccgggggga ngcgcnct 240
gggaaggcga cccctgcctt cagtgtcttc tgtctctgct tccccctcgc aatgctcctc 300
tctctgtccc acccgcgag aacactttac aacgacgagg agattcggtt ccaaaccaga 360
ggagatcaat tgtacttaca aagattccca tctatttaac ttatttaact tctaccgtga 420
atgactctgc aagccttgct ggtccaagtg caatatgtaa ttataaatat ataatagat 480
aagagcctat caatgtatct tttgtacaat atgttgtaaa atgtagatca taggatagct 540
gactttgaca gtcacattta taaagtaatt cacttaaaga tatatatatt tccaacaagt 600
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<210> 1029
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<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. W74533

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<220>
<221> unsure
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<223> n = a or c or g or t

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ctgtggttga ttgctagtgg ttaagcatgt tttcaatctt tgccttaatg taaaagattt 180
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atgcaggcct acaaaaatgg tgcagccata tttacaaatt tagttcacag actgctgcag 360
taaaatggct ggaaagtttt gttttgcttg tttcacaatt tctctaaaca gcagcagaat 420

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cttaaaatac ctggctggca tctcttttct ttgtaacaaa taattcactt tagtatactc 480  
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 acttttttac accagagaac cacaggtcaa gagcactctt caagcagagt tgagggactg 600  
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 tgtaccacgc atgcct 676

<210> 1030  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W76181

<220>  
 <221> unsure  
 <222> (1)..(487)  
 <223> n = a or c or g or t

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 atcccgacct acccatccta atccgcgaat nctccgatgt gcagcccaag ctctgggccc 180  
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 ccagagccct ggagaacgtt ctaagtggta aagcctgaag cctccactga ggattaagag 300  
 caacagcccc agagcctggg ctctgctgga cttagtataa tgtgaaaaaa atgtgttctc 360  
 ctattctctca taaagcttgt gctgtaaaat actttctcag ggtgttcttg tcctcatcta 420  
 cctctaccc cttactgtgc aaccactgag gcaaagtagc ttaatataaa aataaaactt 480  
 tattctggtc tcaaaa 496

<210> 1031  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W78127

<400> 1031  
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 ctcagggtttt aaggcctcaa tgtagggcca acaaaaaaaaa aaaaggcatg gtaaaagttt 180  
 tacttttaca tctaaaatgt cacttgtcat aaaggagggt gtaatagaaa ttgtctttaa 240  
 taaatcataa ttgaagttcc cctcattttt cttccattaa gatgctaagt ttatgtctga 300  
 tcatgaagaa agaaa 315

<210> 1032  
 <211> 556  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W80509

<220>  
 <221> unsure  
 <222> (1)..(556)  
 <223> n = a or c or g or t

<400> 1032  
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gtgagatttc acgcacacgc attcatgtca acaaggacat caggagaagt taacattata 180
ctgaagtctt aagttaaaaac atttctgaag tgtatggaaa ggtttcacta gctgttactt 240
ttctaaagtc ccttgccctg tgttacttta ccagacgcc tctgctcttt atcgtggatc 300
aaagtcctcg gggcttttgt gtgtccccgt caggcggtcg cgttggcctc agcaagtgcc 360
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gggtgccatcg cactcagcag acaaggtgag tgaccccgag ccagccctcc cttgtcccgg 480
tgccatccgg gaaggtgctg gggaacctgt cctttcccct ntggcccggt gtggcacctg 540
gnaaagcaag cccttg                                     556

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<210> 1033  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W86513

<220>  
 <221> unsure  
 <222> (1)..(418)  
 <223> n = a or c or g or t

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attcaaacaa atcaggaagg cacaggtctt gtaaaatgta ataaagaatt tagtccatac 180
cttgatgcat agtgggtggca ttaaattggca caatttttctg gtatcatgcc tgcctgcctt 240
agatctcaaa cagacctact ctcttttctc tctttctcat ctttaacaaac ttttgataat 300
caagcatcat agtatgacaa agagagtaac aagagctgtg caggccagca catccagaga 360
gcagtactga aaccaggtga gcttgtgggc aggtngcagc aggtacttgg gctccatt 418

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<210> 1034  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W86660

<220>  
 <221> unsure  
 <222> (1)..(411)  
 <223> n = a or c or g or t

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atatttttggg gcaaaacccc caaaataccc tggcaaagaa agaagattgt gtttcagttg 180
caatcatcta ccctaattccc tttctgaggg cctctggact cgcttgggct cactgccctt 240
gtctgatggg gtaggatctc ccagaggaga ccagctaatt atactttaat gaggtgactt 300
acagacactg gaaaaggagt tggttggtac actccccatc atcatnagca gctctctncc 360
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<210> 1035  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W88568

<400> 1035

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 aacatgaatt ctggtcctca gagaagctga cattgtttcc ctgaacattc ccgtgggtctc 180  
 cctctgaaag ccgatgacca tccaaccctg actcacctga aatatcctac gagcatcgcc 240  
 ctccgagact gacgattatt aacca 265

<210> 1036  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W92207

<220>  
 <221> unsure  
 <222> (1)..(395)  
 <223> n = a or c or g or t

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 taccaaattt taattttttt tcaactattt aaaaatgtta aaaccattct tagctcacag 120  
 gctatgcgaa anagancaac cagccagatt cggcccacgg tttaaggcca gtttaagcct 180  
 caccaccttc ctagcccccac tcaactattt tgtcctctca tcttcctgtc cttcagcacc 240  
 cccatgacct tcctgtgacc ttcaatggcc cctccagctg ccgtccagcc ctgtctgtct 300  
 gcccttnggg gaccctctcc tcctgggctg caggactgtt ttttcctgga gcaggtctct 360  
 aaatagctcc attcgccttg gcaggggggaa tccag 395

<210> 1037  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W92449

<400> 1037  
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 aaggcactcg cgaggggggac ttcaagcccc tcttctatct cttcatataa aatcaggggg 180  
 atgggggaaag ctccaagggc gaggggaagca gagagtttct ctcccagcct atggaataag 240  
 g 241

<210> 1038  
 <211> 571  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W93396

<220>  
 <221> unsure  
 <222> (1)..(571)  
 <223> n = a or c or g or t

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 tttgttctca cgctgctgga gcggtgttta tgggcattgt gataatagct gtagtttcca 180  
 acggttgtag tagctgacta gtcagtggct tcagcaacac acatttattc tcctataagc 240  
 cctggaggtc agaagctccg atccagggtg tggctggggt ccactcctcc tggaggcgct 300

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aggggaggat ctgtgtccct cttaccattt ctaggatccg ctgcaccctt tggctcaggc 360
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cgactctgac ccttggcct tctctttaca aggancctgt gatganctgg cgcccancca 480
gctaattccag gggaggagaa gagaatactg agcgtcaant cgttgtaagc ttttcagaat 540
tccttgggtt tttggctctt taaaacgggg t 571

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<210> 1039  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. W94333

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<400> 1039
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tgcttctgtc atttctcctgg gggatggcct actcgccctc ctttctgtac aatctgggca 180
aaccgactgg tgatggcaag agtgggtgtca atgaagcggg ctacacagct ggagagacaa 240
ttttcagtgc gagagtctag gcgattccct ggcttctcca cacatttatc ccaacataac 300
tccatgaagt gatgcacctg tgcagtaaac tgcgccttct gctgctcggc ggcca 355

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<210> 1040  
 <211> 1761  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. X00351

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<400> 1040
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cccgggcccgt cttccctctc atcgtggggc gccccaggca ccaggggcgtg atgggtgggca 180
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tgaataaaaag tgcacacctt a 1761

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<210> 1041  
 <211> 3768  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. X00371

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 ggcttttagag acccacacag agggcggttct gacccaaagt tgcaactggg aactccaagt 180  
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<210> 1042  
 <211> 803  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. X02544

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tacaataagt cggttcagga gatccaagca accttctttt acttcacccc caacaagaca 300
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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X16354

<400> 1060

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<213> Homo sapiens

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<212> DNA

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X52541

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<213> Homo sapiens

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<213> Homo sapiens

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<210> 1083

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X72841

<400> 1083

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<220>  
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<210> 1085  
 <211> 1373  
 <212> DNA  
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<220>  
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<223> Genbank Accession No. X76180

<400> 1086

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<220>  
 <223> Genbank Accession No. X76717

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<210> 1088  
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 <212> DNA  
 <213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X83705

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<211> 455

<212> DNA

<213> Homo sapiens

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<211> 2489

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<213> Homo sapiens

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<220>  
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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X96584

<400> 1096

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<212> DNA



<213> Homo sapiens

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<223> Genbank Accession No. X99142

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 1463

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. Y09022

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 <213> Homo sapiens

<220>  
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 <223> Genbank Accession No. Z11793

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. Z35093

<400> 1105

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<210> 1106

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z38266

<400> 1106

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cattcatttg tcacatattt 260

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<223> Genbank Accession No. Z38551

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ctacaacgta catctttttc attgattaca gttgaacaga atccagtaaa atcattttac 180  
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<220>  
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caacacacag tcatgctgga aggcattctg tcttactctg ttgggttcat gtaaatgttt 180  
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taatacacaa tgtttagagca cacaagagac 270

<210> 1109  
<211> 287  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. Z38785

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gctctcgcag gccagtgggt cgacctctg tccacaaccg tgagggacaa aggcctgtcc 180  
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<210> 1110  
<211> 314

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39874

<400> 1110

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ttccccatga ctgacattta gccactctcc tctgtcactc tccggggacg tgcacacacc 300
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<210> 1111

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39904

<220>

<221> unsure

<222> (1) .. (323)

<223> n = a or c or g or t

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<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39983

<400> 1112

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<211> 332

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. Z40012

<400> 1113

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<212> DNA  
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<223> Genbank Accession No. Z40186

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cgctggtgta aatg 254

<210> 1115  
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<212> DNA  
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<220>  
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<220>  
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<212> DNA  
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<220>  
<223> Genbank Accession No. Z40556

<220>  
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<222> (1)..(346)  
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